

Pedigrees of Upland and Pima Cotton Cultivars Released Between 1970 and 1990

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Published by the Office of Agricultural Communications, Division of Agriculture Forestry, and Veterinary Medicine, Mississippi State University. Edited by Keith H. Remy, Senior Publications Editor.

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The purpose of this bulletin is to make available, in a single document, the pedigrees of cotton cultivars released between 1970 and 1990. Information on the parentage of cultivars is useful to geneticists, applied plant breeders, and public policymakers. Geneticists can use pedigree information to estimate the genetic distance among cultivars, or to evaluate the contribution of various genetic pools to current cultivars. Applied breeders can use this information to identify parents that are genetically dissimilar and thus have the potential to generate new variability for future crop improvement, or to identify genetic pools that have proven valuable or have been neglected in the past.

If analysis of pedigree information indicates that a large proportion of current cultivars are closely related, public policymakers can be made aware of the potential genetic vulnerability in the crop and the need to expand the genetic base. Policymakers can also use this information to see the contribution of various breeding programs to improved commercial cultivars. Cultivar pedigree information can highlight the contribution of, and justify funding for, programs aimed at long-term germplasm improvement rather than the development of germplasm with immediate commercial application.

Ware (1950) traced the origin of virtually all cotton (Gossypium hirsutum L.) cultivars in use at that time, though his publication is now difficult to obtain and not well known. Ramey (1966) drew on information from Ware (1950) and elsewhere to provide a fairly complete description of pedigrees of major cotton cultivars released prior to 1966.

Staten (1971) traced the history of the New Mexico Acala breeding program, including pedigree information on important Acala cultivars and breeding lines, and Turner (1974) provided similar information on the California Acalas.

Culp and Harrell (1974) documented the development of germplasm from the Pee Dee Research Station in South Carolina. However, a single source of pedigree information on modern cotton cultivars is not available. It is important to have this information periodically documented to ensure that as much of the available information as possible is accessible to as wide an audience as possible.

The Crop Science Society of America maintains a permanent, but voluntary, registry of cultivars as well as germplasm lines. However, not all cultivar originators choose to register their products. With the enactment of the Plant Variety Protection Act, the

breeding history of cultivars covered by the Act must now be documented. While information submitted as part of the application for plant variety protection is in the public domain, it is not readily or freely (i.e. without charge) accessible. In addition, not all originators of cultivars seek protection under the Act, and those who do are not required to give complete pedigree histories of breeding lines that went into the cultivar being protected. As a result, much of the information on cotton cultivar pedigrees is limited to impermanent memoranda of release notices; or remains buried in the personal files of various breeders. Much information has already been lost.

The principal sources of information used to determine which cultivars were released between 1970 and 1990, the period covered in this document, were: (1) records from the Plant Variety Protection (PVP) Office, (2) Crop Science cultivar registration notices, and (3) Characteristics of Cotton Varieties Grown in Texas, editions 2 and 3 (Metzer et al., 1984, and Metzer and Supak, 1990, respectively). Unless indicated in other sources, it was assumed that cultivars grown in Texas in 1984 had been released since 1970.

Pedigree information was obtained from these same sources and other publicly available reference materials. We also drew heavily on the willingness of various active and retired breeders to supply information from their personal files, and for this we are grateful.

Table 1 provides various identifiers for the cultivars, including cultivar name, experimental designation (when known), PVP application number (if any), and Crop Science registration number (if any). Also listed in Table 1 is the year of release, if known. The first two digits of the PVP application number indicate the year that application was made; this may or may not correspond with the year of release. The column in Table 1 listing originator or owner is somewhat ambiguous. We have tried to use this information primarily to recognize the contribution of the originator; however, when a cultivar has changed ownership several times or the origin is not clear, we have listed the most recent owner. The final column in this table is the source of information used for the pedigree information. The first choice for a source of information was a Crop Science registration or experiment station bulletin, since these tend to be complete and readily available. The second choice was "personal communication" (PC), since these often include information not provided in PVP applications. The final choice was Exhibit A from PVP applications.

Simple cultivar pedigrees (usually including two to four parents) are presented in Table 2. Pedigree notation has been standardized to conform as much as possible to the method proposed by Purdy et al. (1968).

A few examples of the Purdy et al. slash notation vs. traditional "x" notation follow:

| Traditional "x" notation | Slash notation |
|------------------------------------|----------------|
| $A \times B$ | A/B |
| $(A \times B) \times C$ | A/B//C |
| $(A \times B) \times (C \times D)$ | A/B//C/D |
| $([A \times B] \times C) \times D$ | A/B//C/3/D |
| $(A \times B) \times B$ | A/2*B |

Simple pedigrees in Table 2 can be expanded by checking for the pedigrees of the parents listed. In many cases, these parents are themselves listed as cultivars in Table 2. The column, "Notes on pedigree," in Table 2 provides additional information for expanding simple pedigrees. These notes include parentage of breeding lines or older cultivars given in the simple pedigree, or the location where such information is presented (usually Table 3), or other information.

Parentage of breeding lines and obsolete cultivars that appear in the pedigrees in Table 2 are presented in Table 3. Germplasm from the PeeDee Experiment Station at Florence, SC, and Multi-Adversity Resistance (MAR) program at Texas A & M University are listed in separate sections of Table 3. Many of the pedigrees in Table 3 can be further expanded by tracing the pedigrees of the parents listed. These parents (when known) are also in Table 3, or in the case of most obsolete cultivars, a reference is given for the figure showing the pedigree tree that includes the obsolete cultivar.

The following abbreviations are used in Tables 1 to 3:

| Abbreviation | Definition |
|--------------|---|
| AES | Agric. Exp. Stn. |
| | preceded by postal designation of state |
| CKR | Coker |
| CS | Crop Science |
| DP | Deltapine |
| MAFES | Miss. Agric. Forestry Exp. Stn. |
| PM | Paymaster |
| PVP | Plant Variety Protection application |
| Sel. | Selection out of |
| STV | Stoneville |
| /PC | Personal Communication |

Additional abbreviated notations, such as the use of "AXTE" to represent the cross, Acala 51/TH 458/2*Early Fluff, and "TH" to represent Triple Hybrid, occur sometimes as abbreviations and sometimes as part of germplasm names; we have used the notations received from sources.

Several figures are used to indicate the origin of obsolete cultivars, or to illustrate certain complex pedigrees. Figures 1 to 10 are redrawn from Ramey (1966) and trace the development of major cultivars

up to about 1965. Figure 11 was adapted from Culp and Harrell (1974) to illustrate the development of important germplasm from the Pee Dee Experiment Station. Figures 12 to 16 were adapted from figures developed by Thomas Kerr about 1969, and apparently not previously published (although they have been widely circulated in the cotton breeding community). Figures 12 and 13 illustrate the development of the "Triple Hybrid" material to the point that it was used in several breeding programs. Figure 14 traces the development of the Atlas family of cultivars and germplasm. Figure 15 traces the development of important Missouri lines and cultivars. Figure 16 traces the development of early California Acalas. Figure 17 was drawn from the information provided in PVP applications for 'Quapaw' and 'GSA71'.

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Table 1. Identification of cotton cultivars released between 1970 and 1990, and the source of information used in pedigrees.

| Cultivar name | Experimental designation | PVP number | CS Reg. | Year | Originator or Owner | Reference for pedigree |
|---------------------------|-----------------------------|---------------|------------|------|---------------------------------|------------------------|
| Upland Cottons | | | | | | |
| 7563 | | 8300031 | | 1983 | Cargill Seed Co., Aiken, TX | R.H. Sheetz/PC |
| 2 Acala 1517-70 | B4364 or NMB 4364 | | CV-66 | 1970 | NM AES & ARS-USDA | CS18:164 |
| 3 Acala 1517-75 | Acala 4111 | | CA-67 | 1975 | NM AES | CS18:164 |
| 4 Acala 1517-77 | B3-1 | | CV-77 | 1977 | NM AES | CS20:113 |
| 5 Acala 1517-77BR | | | CV-82 | 1982 | NM AES | CS24:382 |
| 6 Acala 1517-88 | B1788 | | CV-93 | 1987 | NM AES | CS28:190-191 |
| 7 Acala 1517-91 | 3579 | | CV-99 | 1990 | NM AES | CS32:831-832 |
| 8 Acala 1517-SR1 | E945 | | CV-83 | 1983 | NM AES | CS24:382-383 |
| 9 Acala 1517-SR2 | E1137 | | CV-89 | 1986 | NM AES | CS27:149 |
| 10 Acala 1517C | 1028 OR 8893 OR 7133 | | CV-64 | 1951 | NM AES | CS18:163; Staten, 1971 |
| 11 Acala 1517E-1 | B8040 | | CV-68 | 1971 | NM AES | CS18:164 |
| 12 Acala 1517E-2 | B344 | | CV-78 | 1978 | NM AES | CS20:113 |
| 13 Acala 1517V | 6612 (1964); 9450 (1969) | | CV-65 | 1964 | NM AES & ARS-USDA | CS18:163; Staten 1971 |
| 14 Acala Maxxa | C-4164 | 9000168 | | 1990 | CPCSD, Shafter, CA | H.B. Cooper/PC |
| 15 Acala Prema | C-32 | 8800171 | | 1988 | CPCSD, Shafter, CA | H.B. Cooper/PC |
| 16 Acala Royale | C-4226 | 9000173 | | 1990 | CPCSD, Shafter, CA | H.B. Cooper/PC |
| 17 Acala SJ-2 | | | | 1973 | USDA-ARS, Shafter, CA | S.R. Oakley/PC |
| 18 Acala SJ-3 | | | | 1975 | USDA-ARS, Shafter, CA | S.R. Oakley/PC |
| 19 Acala SJ-4 | | | | 1976 | USDA-ARS, Shafter, CA | S.R. Oakley/PC |
| 20 Acala SJ-5 | | | | 1977 | USDA-ARS, Shafter, CA | S.R. Oakley/PC |
| 21 Acala SJC-1 | | | | 1983 | CPCSD, Shafter, CA | S.R. Oakley/PC |
| 22 All-Tex 857 | | | | | All-Tex Seed Co., Leveland, TX | Metzer & Supak, 1990 |
| 23 All-Tex E-2 | - | | | | All-Tex Seed Co., Leveland, TX | Metzer & Supak, 1990 |
| 24 All-Tex Quickie | 21-S-1-87 | | | | All-Tex Seed Co., Leveland, TX | Metzer & Supak, 1990 |
| 25 All-Tex Wiltmaster 571 | | | | | All-Tex Seed Co., Leveland, TX | Metzer & Supak, 1990 |
| 26 Arkot 518 | U Ark 7518(2402) | 8700165 | CV-91 | 1987 | AR AES | CS28:190 |
| 27 AZ 64 | AZ6401 | | | 1972 | AZ AES | AZ AES release memo |
| 28 BR-636 | | 9000212 | | 1990 | Ron Thorp, Stanfield, AZ | R.G. Ward/PC |
| 29 Blanco 3363 | | 7100051 | | | Growers Seed Assn., Lubbock, TX | PVP Exhibit A |
| 30 Blightmaster A-5 | | | | | TX AES & USDA-ARS, Lubbock, TX | Metzer & Supak, 1990 |
| 31 Bronco 360 | | 8900114 | | | Bronco Seed Co., Stamford, TX | Metzer & Supak, 1990 |
| 32 Bronco 414 | | | | | Bronco Seed Co., Stamford, TX | Metzer & Supak, 1990 |
| 33 Bronco 625 | | 8300124 | | | Bronco Seed Co., Stamford, TX | Metzer & Supak, 1990 |
| 34 Bronco 693 | | | | | Bronco Seed Co., Stamford, TX | Q. Adams/PC |
| 35 CENCOT | | | | 1986 | OK AES | L.M. Verhalen/PC |
| -+ | | | | | Custom Ag Services, Loraine, TX | R. Bridge/PC |
| + | | | | | Custom Ag Services, Loraine, TX | Metzer & Supak, 1990 |
| 38 Cascot B-2 | | 7700042 | | | Custom Ag Services, Loraine, TX | Metzer et al., 1984 |

Table 1. Continued.

| | Cultivar name | Experimental designation | PVP | CS Reg. | Year | Originator or Owner | Reference for pedigree |
|------|---------------|--------------------------|---------|------------|------|--|----------------------------|
| 39 | Cascot BR-1 | | 8000032 | | | Custom Ag Services, Loraine, TX | Metzer et al., 1984 |
| 40 | Cascot C-13 | | 8300034 | | | Custom Ag Services, Loraine, TX | Metzer & Supak, 1990 |
| 41 | Cascot L-7 | | 7700043 | | | Custom Ag Services, Loraine, TX | Metzer & Supak, 1990 |
| 42 | Coker 130 | | 8900252 | | 1990 | Coker Pedigreed Seed Co., Hartsville, SC | L. McDonald & H.W. Webb/PC |
| 43 | Coker 139 | | 8700070 | | 1987 | Coker Pedigreed Seed Co., Hartsville, SC | L. McDonald/PC |
| 44 | Coker 208 | | 8300082 | | 1983 | Coker Pedigreed Seed Co., Hartsville, SC | L. McDonald/PC |
| 45 | Coker 304 | | 7700024 | | 1978 | Coker Pedigreed Seed Co., Hartsville, SC | L. McDonald & H.W. Webb/PC |
| 46 | Coker 310 | | 7100021 | | 1971 | Coker Pedigreed Seed Co., Hartsville, SC | Metzer et al., 1984 |
| 47 | Coker 312 | | 7200100 | | 1972 | Coker Pedigreed Seed Co., Lubbock, TX | L. McDonald & H.W. Webb/PC |
| 48 | Coker 315 | | 8000087 | | 1979 | Coker Pedigreed Seed Co., Hartsville, SC | L. McDonald & H.W. Webb/PC |
| 49 | Coker 320 | | 8900290 | | 1989 | Coker Pedigreed Seed Co., Hartsville, SC | L. McDonald/PC |
| 50 | Coker 417 | | | | 1970 | Coker Pedigreed Seed Co., Hartsville, SC | H.W. Webb/PC |
| 51 | Coker 420 | | 7900087 | | | Coker Pedigreed Seed Co., Hartsville, SC | H.W. Webb/PC |
| 52 | Coker 500 | | 8300078 | | 1984 | Coker Pedigreed Seed Co., Lubbock, TX | Metzer & Supak, 1990 |
| 53 | Coker 3131 | | 8100019 | | 1983 | Coker Pedigreed Seed Co., Hartsville, SC | Metzer et al., 1984 |
| 54 | Coker 4101 | | | | 1971 | Coker Pedigreed Seed Co., Hartsville, SC | L. McDonald/PC |
| . 55 | Coker 4360 | | 8200071 | | 1982 | Coker Pedigreed Seed Co., Lubbock, TX | L. McDonald/PC |
| 56. | Coker 5110 | | 7200101 | | 1971 | Coker Pedigreed Seed Co., Lubbock, TX | Metzer & Supak, 1990 |
| 57 | Coyote | Vreseis RB-RB-64 | 8900169 | | | USDA, Shafter, CA | PVP Exhibit A |
| 58 | Crooked Row-1 | | | | | Crooked Row Farms, Crosbyton,TX | Metzer & Supak, 1990 |
| 59 | DC 81 | | | | | Dawson Seed Co. Lamesa, TX | Metzer & Supak, 1990 |
| 09 | DC 827 | | | | 1989 | Dawson Seed Co. Lamesa, TX | Metzer & Supak, 1990 |
| 61 | DC 886 | | | | 1989 | Dawson Seed Co. Lamesa, TX | Metzer & Supak, 1990 |
| 62 | DES 24 | DES 06-020-24 | 7800040 | 69-AD | 1978 | MAFES | CS18:523 |
| 63 | DES 56 | DES 2134-056 | 7800041 | CV-70 | 1978 | MAFES | CS18:524 |
| 64 | DES 119 | DES 11913 | 8500176 | CV-88 | 1985 | MAFES | CS26:646-647 |
| 65 | DES 422 | | 8100170 | CV-80 | 1982 | MAFES | CS22:1085 |
| 99 | Dawson V-14 | | 7900015 | | | Dawson Seed Co., Lamesa, TX | Metzer et al., 1984 |
| 67 | Delcot 277 | MO 63-277 | | CV-55 | 1972 | MO AES & PSRD-ARS-USDA | CS12:126-127 |
| 89 | Delcot 277J | MO 63-277J | | CV:71 | 1978 | MO AES | CS19:294 |
| 69 | Delcot 311 | MO 74-944 | 8100029 | CV-79 | 1980 | MO AES | CS20:669 |
| 70 | Delcot 344 | MO 78-344 | 8600161 | CA-90 | 1986 | MO AES | CS27:150 |
| 71 | Delcot 390 | MO 79-390 | | CV-84 | 1985 | MO AES | CS25:198 |
| 72 | Deltapine 20 | | 8500110 | | 1985 | Delta & Pine Land Co., Scott, MS | K.R. Jones/PC |
| 73 | Deltapine 25 | | 7200016 | | 1974 | Delta & Pine Land Co., Scott, MS | K.R. Jones/PC |
| 74 | Deltapine 26 | | 7800022 | | 1975 | Delta & Pine Land Co., Scott, MS | K.R. Jones/PC |
| 75 | Deltapine 30 | | 8200029 | | 1981 | Delta & Pine Land Co., Scott, MS | K.R. Jones/PC |
| 76 | Deltapine 41 | | 7900102 | | 1979 | Delta & Pine Land Co., Scott, MS | K.R. Jones/PC |
| 77 | Deltapine 50 | | 8400154 | | 1984 | Delta & Pine Land Co., Scott, MS | K.R. Jones/PC |

Table 1. Continued.

| | Cultivar name | Experimental designation | PVP number | CS Reg. | Year | Originator or Owner | Reference for pedigree |
|-----|--------------------|---------------------------------------|---------------|------------|------|------------------------------------|------------------------|
| 78 | Deltapine 51 | | 8900105 | | 1990 | Delta & Pine Land Co., Scott, MS | K.R. Jones/PC |
| 42 | Deltapine 55 | | 7500103 | | 1974 | Delta & Pine Land Co., Scott, MS | K.R. Jones/PC |
| 80 | Deltapine 61 | | 7300103 | | 1973 | Delta & Pine Land Co., Scott, MS | K.R. Jones/PC |
| 81 | Deltapine 62 | | 8200111 | | 1976 | Delta & Pine Land Co., Scott, MS | K.R. Jones/PC |
| 82 | Deltapine 66 | | 7400025 | | 1974 | Delta & Pine Land Co., Scott, MS | K.R. Jones/PC |
| 83 | Deltapine 69 | | 8400130 | | 1984 | Delta & Pine Land Co., Scott, MS | K.R. Jones/PC |
| 84 | Deltapine 70 | | 7800097 | | 1979 | Delta & Pine Land Co., Scott, MS | K.R. Jones/PC |
| 85 | Deltapine 77 | | 8600073 | | 1986 | Delta & Pine Land Co., Scott, MS | K.R. Jones/PC |
| 98 | Deltapine 80 | | 7800023 | | 1977 | Delta & Pine Land Co., Scott, MS | K.R. Jones/PC |
| 87 | Deltapine 120 | | 8100072 | | 1981 | Delta & Pine Land Co., Scott, MS | K.R. Jones/PC |
| 88 | Deltapine 137 | | 7300014 | | 1974 | Delta & Pine Land Co., Scott, MS | |
| 68 | Deltapine 826 | | 7200143 | | 1974 | Delta & Pine Land Co., Scott, MS | |
| 06 | Deltapine 5415 | | | | 1990 | Delta & Pine Land Co., Scott, MS | K.R. Jones/PC |
| 91 | Deltapine 5690 | | | | 1990 | Delta & Pine Land Co., Scott, MS | K.R. Jones/PC |
| 92 | Deltapine Acala 90 | | 8100143 | | 1981 | Delta & Pine Land Co., Scott, MS | K.R. Jones/PC |
| 93 | Deltapine NSL | Deltapine 7146N | 8300112 | | 1983 | Delta & Pine Land Co., Scott, MS | Metzer et al., 1984 |
| 94 | Deltapine SR-1 | | 7200042 | | | Delta & Pine Land Co., Lubbock, TX | L.M. Verhalen/PC |
| 95 | Deltapine SR-2 | | 7200043 | | | Delta & Pine Land Co., Lubbock, TX | D.T. Bowman/PC |
| 96 | Deltapine SR-4 | | 7500089 | | 1976 | Delta & Pine Land Co., Lubbock, TX | K.R. Jones/PC |
| 97 | Deltapine SR-5 | | 8000052 | | | Terra Seed Co., Lubbock, TX | K.R. Jones/PC |
| 86 | Deltapine SR-383 | | 8200137 | , | | Delta & Pine Land Co., Lubbock, TX | Metzer & Supak, 1990 |
| 66 | Deltapine SR 482 | | 8200067 | | | Delta & Pine Land Co., Lubbock, TX | Metzer & Supak, 1990 |
| 100 | Deltapine SR-980 | | 8100098 | | 1981 | Delta & Pine Land Co, Lubbock, TX | Metzer et al., 1984 |
| 101 | Dixie King III | | 7300089 | | 1973 | MAFES | |
| 102 | Dunn 109 | | 8200089 | | 1986 | Dunn Seed Farms, Seminole, TX | J.L. Dunn/PC |
| 103 | Dunn 118 | | 7100048 | | 1974 | Dunn Seed Farms, Seminole, TX | J.L. Dunn/PC |
| 104 | Dunn 119 | | 7200098 | | 1974 | Dunn Seed Farms, Seminole, TX | J.L. Dunn/PC |
| - | Dunn 120 | | 7400096 | | 1975 | Dunn Seed Farms, Seminole, TX | J.L. Dunn/PC |
| 106 | Dunn 219 | | 7900006 | | 1980 | Dunn Seed Farms, Seminole, TX | J.L. Dunn/PC |
| 107 | Dunn 224 | | 8000129 | | 1981 | Dunn Seed Farms, Seminole, TX | J.L. Dunn/PC |
| 108 | Dunn 325 | · · · · · · · · · · · · · · · · · · · | 8200088 | | 1986 | Dunn Seed Farms, Seminole, TX | Metzer & Supak, 1990 |
| 一 | Dunn 400 | | 8800052 | | | Dunn Seed Farms, Seminole, TX | Metzer & Supak, 1990 |
| 110 | Dunn 1002 | | 8500091 | | 1986 | Dunn Seed Farms, Seminole, TX | Metzer & Supak, 1990 |
| 111 | Dunn 1047 | | 8500090 | | 1986 | Dunn Seed Farms, Seminole, TX | Metzer & Supak, 1990 |
| 112 | Dunn 1325 | | | | | Dunn Seed Farms, Seminole, TX | Metzer & Supak, 1990 |
| 113 | Dunn 1850 | | | | | Dunn Seed Farms, Seminole, TX | R. Dunn/PC |
| 114 | Dunn HS 120 | | 8700210 | | 1988 | Dunn Seed Farms, Seminole, TX | Metzer & Supak, 1990 |
| 115 | Earlycot 31 | | 7300055 | | | Agronomics Inc., Lubbock, TX | L.M. Vehalen/PC |
| 116 | Earlycot 32A | | | | 1984 | Agronomics Inc., Lubbock, TX | Metzer et al., 1984 |

Table 1. Continued.

| | Cultivar name | Experimental designation | PVP number | CS Reg. | Year | Originator or Owner | Reference for pedigree |
|------|------------------------|--------------------------|---------------|------------|------|--|------------------------|
| 117 | Earlycot 48 | | | | 1984 | Agronomics Inc., Lubbock, TX | Metzer et al., 1984 |
| 118 | Earlycot WR | | | | | Agronomics Inc., Lubbock, TX | Metzer et al., 1984 |
| 119 | G&P 74+ | | 9000019 | | | G&P Seed Co., Inc., Aquilla, TX | D. Bush/PC |
| 120 | G&P 1005 | | 8300108 | | | G&P Seed Co., Inc., Aquilla, TX | Metzer & Supak, 1990 |
| 121 | G&P 3755 | | 7700019 | | | G&P Seed Co., Inc., Aquilla, TX | Metzer & Supak, 1990 |
| 122 | G&P 3774 | | 7700018 | | | G&P Seed Co., Inc., Aquilla, TX | Metzer & Supak, 1990 |
| 123 | G&P 5479 | | 8300033 | | | G&P Seed Co., Inc., Aquilla, TX | Metzer & Supak, 1990 |
| 124 | GSA 71 | | 7400089 | | | Gro-Agri Seed Co., Lubbock, TX | PVP Exhibit A |
| 125 | GSA 74 | | 7900071 | | | Gro-Agri Seed Co., Lubbock, TX | R. Phipps/PC |
| 126 | GSA 75 | | 7605007 | | | Gro-Agri Seed Co., Lubbock, TX | R. Phipps/PC |
| 127 | GSA 78 | | 7900072 | | | Gro-Agri Seed Co., Lubbock, TX | R. Phipps/PC |
| 128 | GSC 20 | | 8400101 | | | Gro-Agri Seed Co., Lubbock, TX | R. Phipps/PC |
| 129 | GSC 25 | | 8400057 | | | Gro-Agri Seed Co., Lubbock, TX | Metzer & Supak, 1990 |
| 130 | GSC 27 | | 8700005 | | | Gro-Agri Seed Co., Lubbock, TX | Metzer & Supak, 1990 |
| 131 | GSC 30 | | 8800048 | | | Gro-Agri Seed Co., Lubbock, TX | Metzer & Supak, 1990 |
| 132 | GSC 71+ | | 8700006 | | | Gro-Agri Seed Co., Lubbock, TX | Metzer & Supak, 1990 |
| .133 | GSC 1093 | | 9000032 | | | Gro-Agri Seed Co., Lubbock, TX | R. Phipps/PC |
| 134 | GaCot 79 | Frego 142 | | CV-76 | 1979 | GA AES | CS20:112 |
| 135 | Georgia King | GaT 85-278 | | CV-98 | 1990 | GA AES | CS32:493 |
| 136 | Germain's Acala GC-352 | | 8500076 | | 1984 | Germains Seeds, Bakersfield, CA | J.F. Mahill/PC |
| 137 | Germain's Acala GC-356 | | 8800017 | | 1985 | Germains Seeds, Bakersfield, CA | J.F. Mahill/PC |
| 138 | Germain's Acala GC-362 | | 8400129 | | 1983 | Germains Seeds, Bakersfield, CA | J.F. Mahill/PC |
| 139 | Germain's Acala GC-363 | | 8100060 | | 1981 | Germains Seeds, Bakersfield, CA | J.F. Mahill/PC |
| 140 | Germain's Acala GC-410 | | 8700061 | | 1983 | Germains Seeds, Bakersfield, CA | J.F. Mahill/PC |
| 141 | Germain's Acala GC-445 | | 8100061 | | 1981 | Germains Seeds, Bakersfield, CA | J.F. Mahill/PC |
| 142 | Germain's Acala GC-510 | | 8200166 | | 1984 | Germains Seeds, Bakersfield, CA | J.F. Mahill/PC |
| 143 | Germain's Acala GC-555 | | 8100062 | | 1980 | Germains Seeds, Bakersfield, CA | J.F. Mahill/PC |
| 144 | Green | Vreseis G-A3PTab-b4 | 8900170 | | | USDA, Shafter, CA | PVP Exhibit A |
| 145 | HS 23 | | 9000150 | | 1990 | Hyperformer Seed Co., Memphis, TN | Al Hoggard/PC |
| 146 | HS 46 | | 8900104 | | 1989 | Hyperformer Seed Co., Memphis, TN | Al Hoggard/PC |
| 147 | Hancock | T59-134 | | CV-56 | 1972 | TN AES | CS12:714 |
| 148 | Highland 34 | | | | | Brownfield Seed & Delinting Co., B'fld, TX | Metzer & Supak, 1990 |
| 149 | Highland 52 | | | | | Brownfield Seed & Delinting Co., B'fld, TX | Metzer & Supak, 1990 |
| 150 | Holland 1379 | · | | | | Holland Cottonseed Co., Big Spring, TX | Metzer & Supak, 1990 |
| 151 | Holland 4002 | | | | | Holland Cottonseed Co., Big Spring, TX | Metzer & Supak, 1990 |
| 152 | Hurdt 570 | | | | | Hurdt's Quality Seeds, Lubbock, TX | Metzer et al., 1984 |
| 153 | Hurdt 580 | | | | | Hurdt's Quality Seeds, Lubbock, TX | Metzer et al., 1984 |
| 154 | Hurdt 590 | | | | | Hurdt's Quality Seeds, Lubbock, TX | Metzer et al., 1984 |
| 155 | 002 #P****II | | | | | Hurdt's Quality Seeds. Lubbock. TX | Metzer et al., 1984 |

Table 1. Continued.

| | Cultivar name | Experimental designation | PVP number | CS Reg. | Year | Originator or Owner | Reference for pedigree |
|----------|----------------------|--------------------------|---------------|------------|------|--|------------------------|
| 156 | Hurdt 750 | | | | | Hurdt's Quality Seeds, Lubbock, TX | Metzer et al., 1984 |
| 157 | Hurdt 850 | | | | | Hurdt's Quality Seeds, Lubbock, TX | Metzer et al., 1984 |
| 158 | Hurdt 900 | | | | | Hurdt's Quality Seeds, Lubbock, TX | Metzer et al., 1984 |
| 159 | KC 380 | | 8700069 | | | Northrup King, Hartsville, SC | D.L. Burns/PC |
| 160 | KC311 | | 8800197 | | | Northrup King, Hartsville, SC | D.L. Burns/PC |
| 161 | KSA81M | | | CV-102 | 1989 | National Fibre Research Center, Keyna | CS33:212 |
| 162 | Kings Acala MS | | 8900026 | | | | PVP Exhibit A |
| 163 | LA 887 | LA830887 | | CV-97 | 1990 | LA AES | CS31:1701 |
| 164 | Lambright 2020 | | 8800088 | | | J.H. Lambright, Slaton, TX | |
| 165 | Lambright GL-4 | | 7200092 | | | J.H. Lambright, Slaton, TX | Metzer et al., 1984 |
| 166 | Lambright GL-5 | | 750029 | | | J.H. Lambright, Slaton, TX | Metzer et al., 1984 |
| 167 | Lambright GL-F | | 7800029 | | | J.H. Lambright, Slaton, TX | L.M. Verhalen/PC |
| 168 | Lambright GL-N | | 7500028 | | | J.H. Lambright, Slaton, TX | Metzer et al., 1984 |
| 169 | Lambright L-X-28 | | 7200090 | | | J.H. Lambright, Slaton, TX | Metzer et al., 1984 |
| 170 | Lambright X-15-3-A | | 7200089 | | | J.H. Lambright, Slaton, TX | Metzer et al., 1984 |
| 171 | Lambright X-15-4 | | 7200091 | | | J.H. Lambright, Slaton, TX | Metzer et al., 1984 |
| 172 | Lamesa 5 | | | | | Dawson County Seed Co, Lamesa, TX | Metzer et al., 1984 |
| 173 | Lamesa 8 | | | | | Dawson County Seed Co, Lamesa, TX | Metzer et al., 1984 |
| 174 | Lankart 142 | | 9000215 | | 1987 | Lankart Seed Farms, Waco, TX | R.H. Sheetz/PC |
| 175 1 | Lankart 175 | | 8400153 | | 1976 | Lankart Seed Farms, Waco, TX | Metzer & Supak, 1990 |
| 176 1 | Lankart 311 | | 8700086 | | 1986 | Lankart Seed Farms, Waco, TX | Metzer & Supak, 1990 |
| 177 | Lankart 511 | | 9800098 | | 1984 | Lankart Seed Farms, Waco, TX | Metzer & Supak, 1990 |
| 178 I | Lankart LX 571 | | 7200018 | | | Lankart Seed Farms, Waco, TX | Metzer & Supak, 1990 |
| 179 I | Lankart PR 75 | | 8000135 | | 1980 | Pioneer Hybrid Seed Co., Plainview, TX | Metzer & Supak, 1990 |
| 180 I | Lockett 77 | | 7500084 | | 1975 | Lockett Seed Co., Lockett, TX | Metzer et al., 1984 |
| 181 | Lockett BXL | | 7100026 | | 1970 | Lockett Seed Co., Lockett, TX | R.H. Sheetz/PC |
| 182 | McDonald 3 | | | | | Dawson Seed Co., Lamesa, TX | Metzer & Supak, 1990 |
| 183 | McNair 210 | | 7100090 | : | 1970 | McNair Seed Co., Laurinburg, NC | D.L. Burns/PC |
| 184 | McNair 220 | | 7600077 | | 1976 | McNair Seed Co., Laurinburg, NC | Metzer & Supak, 1990 |
| 185 N | McNair 235 | | | | | McNair Seed Co., Laurinburg, NC | Metzer & Supak, 1990 |
| 186 | McNair 511 | | 7200095 | | 1971 | McNair Seed Co, Laurinburg, NC | D.L. Burns/PC |
| 187 N | McNair 612 | | 7400023 | | 1975 | McNair Seed Co., Laurinburg, NC | D.L. Burns/PC |
| 188 | New Mexico Acala #20 | | 7605014 | | | Private Grower | PVP Exhibit A |
| 189 | Northern Star 5 | | | | | Northern Star Seed Farms, Lubbock, TX | Metzer et al., 1984 |
| 190 | Northern Star 998 | | | | | Northern Star Seed Farms, Lubbock, TX | Metzer et al., 1984 |
| 191 | Northern Star R-4A | | | | | Northern Star Seed Farms, Lubbock, TX | Metzer et al., 1984 |
| 192 F | PD-1 | PD4548 | | CV-85 | 1985 | USDA-ARS & SC AES | CS25:198 |
| 193 F | PD-2 | PD6520 | | CV-86 | 1985 | USDA-ARS & SC AES | CS25:198-190 |
| 194 F | PD-3 | PD6208 | 8800117 | CV-92 | 1988 | USDA-ARS & SC AES | CS28:190 |

Table 1. Continued.

| | Cultivar name | Experimental designation | PVP | CS Reg. | Year | Originator or Owner | Reference for pedigree |
|-----|----------------------|--------------------------|---------|------------|------|--|------------------------|
| 195 | PR 80 | | 8000136 | | | Pioneer Hybrid Seed Co., Plainview, TX | Metzer & Supak, 1990 |
| 196 | Paymaster 101-B | | 7200072 | | | Cargill Seeds, Aiken, TX | R.H. Sheetz/PC |
| 197 | Paymaster 111-A | | 7200071 | | | Cargill Seeds, Aiken, TX | R.H. Sheetz/PC |
| 198 | Paymaster 145 | | | | 1976 | Cargill Seeds, Aiken, TX | Metzer et al., 1984 |
| 199 | Paymaster 147 | | 8900269 | | 1984 | Cargill Seeds, Aiken, TX | Metzer & Supak, 1990 |
| 200 | Paymaster 266 | | 7600043 | | 1971 | Cargill Seeds, Aiken, TX | Metzer & Supak, 1990 |
| 201 | Paymaster 303 | | 7500060 | | 1974 | Cargill Seeds, Aiken, TX | Metzer & Supak, 1990 |
| 202 | Paymaster 404 | | 8000081 | | 1979 | Cargill Seeds, Aiken, TX | Metzer & Supak, 1990 |
| 203 | Paymaster 505 | | | | 1987 | Cargill Seeds, Aiken, TX | Metzer & Supak, 1990 |
| 204 | Paymaster 784 | | 7700054 | | 1975 | Cargill Seeds, Aiken, TX | R.H. Sheetz/PC |
| 205 | Paymaster 785 | | 7700076 | | 1972 | Cargill Seeds, Aiken, TX | R.H. Sheetz/PC |
| + | Paymaster 792 | | 7700077 | | 1973 | Cargill Seeds, Aiken, TX | R.H. Sheetz/PC |
| 207 | Paymaster 892 | | 8900270 | | 1984 | Cargill Seeds, Aiken, TX | R.H. Sheetz/PC |
| 208 | Paymaster Dwarf | | 7300013 | | 1968 | Cargill Seeds, Aiken, TX | R.H. Sheetz/PC |
| 209 | Paymaster HS 26 | | 8600087 | | 1983 | Cargill Seeds, Aiken, TX | R.H. Sheetz/PC |
| 210 | Paymaster HS200 | | 9000216 | | 1986 | Cargill Seeds, Aiken, TX | R.H. Sheetz/PC |
| 211 | Pioneer Brand PR 68 | | 7800104 | | 1978 | Pioneer Hybrid Seed Co., Plainview, TX | Metzer et al., 1984 |
| 212 | Prolific Stormproof | | | | | Von Roeder Seed Farms, Snyder, TX | Metzer et al., 1984 |
| 213 | Quapaw | 61-28 or 62-5 or 63-22 | 7200069 | | | Rogers Cotton Seed Co., Waco, TX | PVP Exhibit A |
| 214 | Quapaw D | | 8600085 | | | Rogers Cotton Seed Co., Waco, TX | PVP Exhibit A |
| 215 | Ranger 55 | | | | | Ranger Seed Co., Tahoka, TX | Metzer et al., 1984 |
| 216 | Ranger 64-2 | | | | | Ranger Seed Co., Tahoka, TX | Metzer & Supak, 1990 |
| 217 | Ranger BB-53 | | | | | Ranger Seed Co., Tahoka, TX | Metzer et al., 1984 |
| 218 | Ranger RV-12 | | | | | Ranger Seed Co., Tahoka, TX | Metzer et al., 1984 |
| 219 | Ranger RV-64 | | | | | Ranger Seed Co., Tahoka, TX | Metzer et al., 1984 |
| 220 | Ranger TM-62 | | | | | Ranger Seed Co., Tahoka, TX | Metzer et al., 1984 |
| 221 | Rex 713 | | 7700028 | | | AR AES | PVP Exhibit A |
| 222 | Rilcot 90 | | | | | Rilcot Seed Co., Littleffeld, TX | Metzer et al., 1984 |
| 223 | Rilcot 90-A | | 7600042 | | | Rilcot Seed Co., Littleffeld, TX | Metzer & Supak, 1990 |
| 224 | Rilcot 95 | | | | | Rilcot Seed Co., Littleffeld, TX | Metzer et al., 1984 |
| 225 | Rilcot Balebuster-1 | | | | | Rilcot Seed Co., Littleffeld, TX | Metzer et al., 1984 |
| 226 | Rilcot Drylander 289 | | | | | Rilcot Seed Co., Littleffeld, TX | Metzer et al., 1984 |
| 227 | Rilcot RK-6 | | | | | Rilcot Seed Co., Littlefield, TX | Metzer et al., 1984 |
| 228 | Rilcot Stripper N | | 7100027 | | | Rilcot Seed Co., Littlefield, TX | Metzer et al., 1984 |
| 229 | Rogers 7590 | | 8500213 | , | 1986 | Rogers Cotton Seed Co., Waco, TX | PVP Exhibit A |
| 230 | Rogers GL-6 | | 7200059 | | | Rogers Cotton Seed Co., Waco, TX | PVP Exhibit A |
| 231 | Rogers LG 86 | | 8900125 | | 1986 | Rogers Cotton Seed Co., Waco, TX | PVP Exhibit A |
| 232 | Rogers LG-10 | | 7900030 | | | Rogers Cotton Seed Co., Waco, TX | Metzer et al., 1984 |
| 999 | Doctor I C 109 | | 8100024 | | | Rogers Cotton Seed Co. Warn TX | Metzer et al. 1984 |

Table 1. Continued.

| | Cultivar name | Experimental designation | PVP | CS Reg. | Year | Originator or Owner | Reference for pedigree |
|-----|-------------------|--------------------------|---------|------------|------|---|---------------------------------|
| 234 | S-35 | | 8900207 | | | Seed Source, Inc., Leland, MS | J.M. Green/PC |
| 235 | S-55 | | 8900208 | | | Seed Source, inc., Leland, MS | J.M. Green/PC |
| 236 | SC-1 | | PD9241 | CV-72 | 1979 | AR-SEA-USDA & SC AES | CS19:410 |
| 237 | SV 13 | | 8500056 | | 1986 | J&S Research Co., Tempe, AZ | PVP Exhibit A |
| 238 | SV 93 | | 8500075 | | 1985 | J&S Research Co., Tempe, AZ | PVP Exhibit A |
| 239 | Salcot 10 | | | | 1990 | J&S Research Co., Tempe, AZ | Al Hoggard/PC |
| 240 | Si Samrong 60 | AG 18 | | CV-95 | 1988 | Field Crops Res. Inst., Thailand | CS29:236 |
| 241 | Simwalt 82 | | 8400010 | | 1982 | OK AES | L.M. Verhalen/PC |
| 242 | Southland 400 | | 9000154 | | 1986 | Southland Seed Co., Slaton, TX | PVP Exhibit A |
| 243 | Southland M1 | | 8900078 | | 1986 | Southland Seed Co., Slaton, TX | PVP Exhibit A |
| 244 | Southwest 222 | | | | | Technical Seed Proc., Brownfield, TX | Metzer & Supak, 1990 |
| 245 | Southwest 227 | | | | | Technical Seed Proc., Brownfield, TX | Metzer & Supak, 1990 |
| 246 | Southwest 584 | | | | | Technical Seed Proc, Brownfield, TX | Metzer & Supak, 1990 |
| 247 | Stoneville 112 | | 8500162 | | 1985 | Stoneville Pedigreed Seed Co., Leland, MS | L. McDonald/PC |
| 248 | Stoneville 132 | | | | 1992 | Stoneville Pedigreed Seed Co., Leland, MS | L. McDonald/PC |
| 249 | Stoneville 256 | | 7500102 | | 1977 | Stoneville Ped. Seed Co., Leland, MS | L. McDonald/PC |
| 250 | Stoneville 302 | - | 8200051 | | 1981 | Stoneville Ped. Seed Co., Leland, MS | L. McDonald/PC |
| 251 | Stoneville 453 | | 8800173 | | 1988 | Stoneville Ped. Seed Co., Leland, MS | D.M. Panter/PC |
| 252 | Stoneville 506 | | 8100059 | | 1982 | Stoneville Ped. Seed Co., Leland, MS | D.M. Panter/PC |
| 253 | Stoneville 603 | | 7300057 | | 1975 | Stoneville Ped. Seed Co., Leland, MS | D.M. Panter/PC |
| 254 | Stoneville 731N | | 7600048 | | 1977 | Stoneville Ped. Seed Co., Leland, MS | D.M. Panter/PC |
| 255 | Stoneville 825 | | 7900024 | | 1981 | Stoneville Ped. Seed Co., Leland, MS | D.M. Panter/PC |
| 256 | Stoneville 907 | | | | 1991 | Stoneville Ped. Seed Co., Leland, MS | D.M. Panter/PC |
| 257 | Stoneville BR-110 | | 8500031 | | 1985 | Ron Thorp, Stanfield, AZ | Metzer & Supak, 1990 |
| 258 | Stoneville BR-115 | | 8700136 | | 1987 | Ron Thorp, Stanfield, AZ | Metzer & Supak, 1990 |
| 259 | Stripper 31A | | 7400088 | | | Gro-Agri, Lubbock, TX | Metzer et al., 1984 |
| 260 | Stroman 254 | | | | | GroAgri Seed Co., Lubbock, TX | Metzer & Supak, 1990 |
| 261 | Sure-Grow 1001 | | 9000138 | | | Sure-Grow, Leland, MS | R.R. Bridge/PC |
| 262 | TPSA 1633 | 65-PR-1633 | 7200081 | | 1972 | Texas Planting Seed Assn. | PVP Exhibit A |
| 263 | TSP 333-HS | | | | | Technical Seed Proc., Brownfield, TX | Metzer & Supak, 1990 |
| 264 | Tamcot 788 | | | | | TX AES | Metzer et al., 1984 |
| 265 | Tamcot CAB-CS | TX-CABCS'-1-81 | 8500066 | CV-87 | 1985 | TX AES | CS 26:384-385 |
| 266 | Tamcot CAMD-E | 203Q,B.V.72 and H6-2-72 | 7800073 | CV-74 | 1977 | TX AES | CS19:411-412, TAES Bull. L-1720 |
| 267 | Tamcot CD3H | TX-CPD37HH-1-83 | 8600164 | CV-94 | 1986 | TX AES | CS28:574-578 |
| 268 | Tamcot GCNH | TX-GCANH-1-83 | 8700141 | | 1988 | TX AES | TAES BUL. L-2266 |
| 569 | Tamcot HQ95 | MAR-CABUCD3H-1-86 | 9000092 | 96-AO | 1990 | TX AES | CS30:1359-1360 |
| 270 | Tamcot SP21 | | 7200047 | 19 | 1971 | TX AES | CS16:884 |
| 271 | Tamcot SP21S | TX-CAMD-S | 7800074 | 73 | 1977 | TX AES | CS19:410 |
| 272 | Tamcot SP23 | | 7200045 | 62 | 1971 | TX AES | CS16:884 |

Table 1. Continued.

| ranne r | Iable 1. Commuca. | | | | | | |
|--------------|-------------------|---------------|---------|-------|--------|---|-----------------------------|
| | | Experimental | PVP | CS | Vear | Originator or Owner | Reference for pedigree |
| | Cultivar name | designation | пашрет | .eg. | | | 7816:884 |
| 973 | Tamoot SP37 | | 7200046 | CV-63 | 1971 | TX AES | FOODTO |
| | + | TX.CAMD.H | 9600082 | CV-75 | 1977 | TX AES | CS19:412, TAES Bull. L-1672 |
| 274 | + | I.Y. CHILD II | 8800133 | | | Terra Int'l, Inc., Memphis, TN | F.M. Miller/PC |
| G/Z | | | 8500155 | | | Terra Int'l, Inc., Memphis, TN | Metzer & Supak, 1990 |
| 276 | | | 8500154 | | | Terra Int'l, Inc., Memphis, TN | Metzer & Supak, 1990 |
| 277 | Terra C-40 | | E010000 | | | Towns Int'l Inc. Memphis TN | Metzer & Supak, 1990 |
| 278 | Terra SR-10 | | 8900088 | | | Tella lite), tite, treinging, tre | I M Verhalen/PC |
| 279 | Thorpe | | 7300092 | | 1973 | OK AES & USDA-AKS | ATT DELEMBER |
| 280 | | | 8700152 | | | GA AES | S.H. Baker/FO |
| 981 | ┿ | | | CV-54 | 1971 | OK AES & CRD-ARS-USDA | CS11:132 |
| 107 | | | 7700049 | | 1976 | OK AES & CRD-ARS-USDA | Metzer et al., 1984 |
| 707 | - | | | | | Von Roeder Seed Farms, Snyder, TX | Metzer et al., 1984 |
| 783 | Western 44 | | | | | All The Speed Co. Lovelland TX | Metzer et al., 1984 |
| 284 | Wiltmaster 569 | | | | | All-lea beed ou, botolium, tra | Motron of all 1984 |
| 285 | Wiltmaster 571 | | | | | All-Tex Seed Co., Levelland, TA | Mercel ev al., 1901 |
| | | | | | | | |
| Pima Cottons | Cottons | | | | | CIT A VALUE OF STATE | 0018.804 |
| | 1 Pima S-5 | P-29 | | CV-60 | 1975 | USDA.ARS & AZ, NM & IX AES | CSTG-004 |
| 6 | 9 Pima S-6 | | | CV-81 | 1984 | USDA-ARS & AZ, NM & TX AES | CS24:382 |
| - | | CV-101 | | | 1991 | USDA-ARS & AZ AES | CS32:1291 |
| | | | 9000211 | | > 1989 | Chaney Ranch, CA | PVP EXIB. A |
| | ┰ | | 9000221 | | > 1989 | Chaney Ranch, CA | PVP EXIB. A |
| | 5 CH253 | | | | | | |

Table 2. Pedigrees of cotton cultivars released between 1970 and 1990.

| | Cultivar Name | Pedigree | Notes on Pedigree |
|-----|------------------------|---|--|
| Upl | Upland Cottons | | |
| | 7563 | PM 266-69/Lockett 99-1 | Lockett 99.1=Lockett 4789-A/Lubbock 4; Lockett 4789 (Table 3) |
| 2 | Acala 1517-70 | B1413/Hopicala | B1413=250/49W//250/9136 (Parents in Table 3); Hopicala (Table 3) |
| က | Acala 1517-75 | Acala 688/Acala 9608 | 688=Sib. Acala 1517V; 9608=DP14/K3131; K3131 From Africa; DP 14 (Table 3) |
| 4 | Acala 1517-77 | Acala 1517-70/Unknown Storm Resistant | |
| 5 | Acala 1517-77BR | Sel. Acala 1517-77 | |
| 9 | Acala 1517-88 | Acala 1517-77BRDP 70 | |
| 7 | Acala 1517-91 | Acala 8130/Acala 8874 | 8130=Sel. Acala 1517-70; Acala 8874 (Table 3) |
| œ | Acala 1517-SR1 | Acala 1517-E1/Unknown Storm Resistant | |
| 6 | Acala 1517-SR2 | Acala 1517-El/Unknown Storm Resistant | Sib. Acala 1517-SR1 |
| 10 | Acala 1517C | 1544/1557 | Pedigree of 1544 and 1557 lost in fire; Possible sib of original Acala 1517 |
| 11 | Acala 1517E-1 | Acala 3080/PD2165 | Acala 3080=NMB3080 (Table 3); PD2165 (Table 3) |
| 12 | Acala 1517E-2 Sel. | Acala 1517E-1 | |
| 13 | Acala 1517V | Acala 2503/Coquette | Parents in Table 3 |
| 14 | Acala Maxxa | T7538/54959 | T7538=S196/NM1900-1; S4959=12302-4//C6TE/NMB7378; Parents in Table 3 |
| 15 | Acala Prema | T4584/T5692 | T4584=AXTE-11/NM49-2; T5692=C6TE/NMB3080; Parents in Table 3 |
| 16 | Acala Royale | T6754/T7044 | T6754=C6TE/NMB3080; T7044=AXTE1-57/Tex E364; Parents in Table 3 |
| 17 | Acala SJ-2 | AXTE-1/NM 2302 | (Multiline of 5918 & 5845); Parents in Table 3 |
| 18 | Acala SJ-3 | C6TE/NMB7378 | Parents in Table 3 |
| 19 | Acala SJ4 | C6TE/NMB3080 | From F4 Bulk, Parents in Table 3 |
| 20 | Acala SJ-5 | C6TE/NMB3080 | From F5 Bulk; Parents in Table 3 |
| 21 | Acala SJC-1 | C6TE/NMB3080/NM7403/Acala 4-42:77 | Sib of Acala GC-510; Parents in Table 3 |
| 22 | All-Tex 857 | Sel. Lankart 57 | Table 3 |
| 23 | All-Tex E-2 | Tamcot CAMD-E/PM 792 | |
| 24 | All-Tex Quickie | ORHU-1-78/Tamcot CAMD-E | ORHU-1-78 (Table 3) |
| 25 | All-Tex Wiltmaster 571 | CA 803/AZ 6024 | Parents in Table 3 |
| 26 | Arkot 518 | Rex 713/CKR 304 | |
| 27 | AZ 64 | AC239/AZ6010 | Parents in Table 3 |
| 28 | BR-636 | DP 70/DP Acala 90 | |
| 29 | Blanco 3363 | CA398/Lankart 611 | Parents in Table 3 |
| 30 | Blightmaster A-5 | Stormmaster//Stoneville 20/Acala 5675/3/Stormmaster | Parents in Table 3; Same pedigree as Blightmaster and CA291A (Table 3) |
| 31 | Bronco 360 | Lankart G-3/Lankart 6024 | Lankart 6024=Lankart/Acala; Lankart 6024=Lankart/AZ6024? |
| 32 | Bronco 414 | Sel. Lankart KC-G3-14124 | |
| 33 | Bronco 625 | Sel. Lankart 57 | Table 3 |
| 34 | Bronco 693 | PM 303-T//61M283/PM145 | 61M283=Empire/Acala; Empire (Table 3) |
| 35 | CENCOT | Sel. Westburn M | |
| 36 | Cascot 392 | LE68-73/DES 56 | |
| 37 | Cascot 2910 | Sel. Cascot BR-1C | Cascot BR-1C=Sel. Bonham; Bonham (Table 3) |
| 88 | Cascot B-2 | Sel. TX-Bonham | Bonham (Table 3) |
| 39 | Cascot BR-1 | Sel. TX-Bonham | Bonham (Table 3) |
| | | | The state of the s |

Table 2. Continued.

| | Cultivar Name | Pedigree | Notes on Pedigree |
|-----|-------------------------|--|--|
| 40 | Cascot C-13 | Sel. TX-Bonham | Bonham (Table 3) |
| 41 | Cascot L-7 | Sel. TX-Lewis | Lewis (Table 3) |
| 42 | Coker 130 | CKR 315/McNair 220 | |
| 43 | Coker 139 | DES 56/CKR 310 | |
| 44 | Coker 208 | CKR 8103/CKR 201 | CKR 8103=Sib. CKR 310 |
| 45 | Coker 304 | Sel. CKR 310 | |
| 46 | Coker 310 | CKR 100 Staple/DP 15 | Parents in Table 3 |
| 47 | Coker 312 | Sel. CKR 310 | |
| 48 | Coker 315 | CKR 310/CKR 8103 | CKR 8103=Sib. CKR 310 |
| 49 | Coker 320 | CKR 315/McNair 220 | |
| 50 | Coker 417 | Sel. CKR 413 | Coker 413 (Table 3) |
| 51 | Coker 420 | CKR 310/CKR 413 | Coker 413 (Table 3) |
| 52 | Coker 500 | CKR 310/Tamcot 788A | Tamcot 788A (Table 3) |
| 53 | Coker 3131 | CKR 310/ CKR 5114 | L. McDonald/PC has, CKR 310/CKR 67-109 |
| 54 | Coker 4101 | Coker 100 Staple/DP 15 | Parents in Table 3 |
| 55 | Coker 4360 | CKR 310/PM 111A | Bulk of 2 Strains |
| 56 | Coker 5110 | CKR 100 Staple/DP 15 Parents in Table 3 | A designation of the state of t |
| 57 | Coyote | Sel. Colored-lint Cotton, USDA, Shafter | the state of the s |
| 58 | Crooked Row-1 | CA1073//CA491/AZ6024 Parents in Table 3 | The state of the s |
| 59 | DC 81 | Sel. CA1073 | CA1073 (Table 3) |
| 09 | DC 827 | Sel. Delcott 277 | depropries and deprop |
| 61 | DC 886 | Sel. CA491-714 | CA491 (Table 3) |
| 62 | DES 24 | STV603/Delcot 277 | |
| 63 | DES 56 | ST213/PD | 2164 Parents in Table 3 |
| 64 | DES 119 | DES 24/DES 2134-047 | DES2134-047=Sib. DES 56 |
| 65 | DES 422 | DP 55/DES 2134-018 | DES 2134-018=Sib. DES 56 |
| 99 | Dawson V-14 | Sel. CA 614 | CA614 (Table 3) |
| 29 | Delcot 277 | Rex/IJ/EF 310 | Rex (Table 3); TJ/EF310 (Table 3); Diagram in Fig. 15 |
| 68 | Delcot 277J | Sel. Delcot 277 | i.e. Sel. of S65-396, a component of Delcot 277 |
| 69 | Delcot 311 | Complex (Sel. Delcot 277, Auburn 56, MO.Del, 101-102B) | Details not given |
| 70 | Delcot 344 | CKR 310*4/MDR (i.e. Multiple Disease Resistant) Delcot Lines | MDR=Complex (Delcot 277, MO-DEL, Aub.56, Oklahoma 20, 101-102B) |
| 71 | Delcot 390 | MO63-277BR2A/HYC74-283//MO63-277BR2A | Parents in Table 3 |
| 72 | Deltapine 20 | DP 16//DP Smoothleaf/DP 45/3/DES 56 | DP 16, DP Smoothleaf, and DP 45 in Table 3 |
| 73 | Deltapine 25 | DP 45/STV 7A | Parents in Table 3 |
| 74 | Deltapine 26 | DP 45/STV 7A | Parents in Table 3 |
| 75 | Deltapine 30 | Sel. DP 66 | |
| 76 | Deltapine 41 | DP 55/STV 603 | |
| 7.7 | Deltapine 50 | DP 16//DP | Smoothleaf/DP 45/3/DES 56 DP 16, DP Smoothleaf, and DP 45 in Table 3 |
| 78 | Deltapine 51 | Sel. DP 50 | |
| 80 | Deltapine 61 Sel. DP 16 | 1 of 4 Component lines in DP 16 (DP 16 in Table 3) | |
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Table 2. Continued.

| | Cultivar Name | Pedigree | Notes on Pedigree |
|-----|---|--|--|
| 79 | Deltapine 55 | DP 16/STV 7A | Parents in Table 3 |
| 80 | Deltapine 61 Sel. DP 16 Deltapine 62 | 1 of 4 Component lines in DP 16 (DP 16 in Table 3) Sel. DP 61 | |
| 82 | Deltapine 66 | DP 16/DP 5540 | Parents in Table 3 |
| 83 | Deltapine 69 | Sel. DP61? | |
| 84 | Deltapine 70 | STV 7A/DP 66 | STV 7A (Table 3) |
| 85 | Deltapine 77 | DP 66/DP 120 | |
| 98 | Deltapine 80 | DP16//DP 5540/DP Smoothleaf | Parents in Table 3 |
| 87 | Deltapine 120 | DP 66/DP 55 | |
| 88 | Deltapine 137 | Not available | |
| 88 | Deltapine 826 | Not available | |
| 06 | Deltapine 5415 | DP 50/DP Acala 90 | |
| 91 | Deltapine 5690 | DP Acala 90/DP 80 | |
| 92 | Deltapine Acala 90 | DP 6516/DP 6582 | 6516=DP 16/John Cotton Poly Cross; 6582=DP 16/AZ 5909; Parents in Table 3 |
| 93 | Deltapine NSL | DP 16 (Nectariless) | Nectariless trait backcrossed into DP 16 |
| 94 | Deltapine SR-1 | DP Smootleaf/Rex//Lankart 57 | Parents in Table 3 |
| 95 | Deltapine SR-2 | DP Smoothleaf/Rex//Gregg 35/Rex | Parents in Table 3 |
| 96 | Deltapine SR-4 | DP Smoothleaf/Rex//Gregg 35/Rex | Parents in Table 3 |
| 26 | Deltapine SR-5 | Acala 1517-BR2//DP Smoothleaf/Rex | Parents in Table 3 |
| 98 | Deltapine SR-383 | DP SR-5/ CA 1073 | CA1073 (Table 3) |
| 66 | Deltapine SR-482 | Sel. DP SR4 | |
| 100 | Deltapine SR-980 | CA 788/DP SR-2 | CA 788 (Table 3) |
| 101 | Dixie King III | Sel. Dixie King | |
| 102 | Dunn 109 | Sel. of material from Lavon Ray (TAES, Lubbock) | No additional info. given |
| 103 | Dunn 118 | Sel. Dunn 56C | Dunn 56C=Rex/CA 398; Parents in Table 3 |
| 104 | Dunn 119 | Sel. Dunn 56C | Dunn 56C=Rex/CA 398; Parents in Table 3 |
| 105 | Dunn 120 | Sel. Tamcot SP23 | Metzer et al., 1984 has: Tamcot/Dunn 118 |
| 106 | Dunn 219 | Sel. Dunn 119 | |
| 107 | Dunn 224 | Sel. MO-Del line | Metzer et al., 1984: "Composite of Delta and Stripper types'; MO-Del (Table 3) |
| 108 | Dunn 325 | AZ 6401/DP 16 | Parents in Table 3 |
| 109 | Dunn 400 | Acala line/PM 303 | |
| 110 | Dunn 1002 | Dunn 219/Dunn 224 | |
| 111 | Dunn 1047 | Tamcot SP-21/Dunn 219 | |
| 112 | Dunn 1325 | Dunn 325/Dunn 1850 | |
| 113 | Dunn 1850 | DP Acala 90/ PM 145 | |
| 114 | Dunn HS 120 | Dunn 219/Dunn 120 | |
| 115 | Earlycot 31 | Sel. CA491 | Table 3 |
| 116 | Earlycot 32A | Sel. Earlycot 32 | Earlycot 32=Rex Smooth Leaf/NMB 3080/Stripper 31; Parents in Table 3 |
| 117 | Earlycot 48 | Earlycot 31/Bonham 73 | Bonham (Table 3) |
| 118 | Earlycot WR | CA614/PM266 | CA614 (Table 3) |

Table 2. Continued.

| | Cultivar Name | Pedigree | Notes on Pedigree |
|-----|------------------------|--|--|
| 119 | G&P 74+ | Sel. G&P 3774 | and the state of t |
| 120 | G&P 1005 | Sel. CAMD S75C | Table 3 |
| 121 | G&P 3755 | Sel. Tamcot SP-37 | |
| 122 | G&P 3774 | Sel. Tamcot SP-37 | |
| 123 | G&P 5479 | Sel. Tamcot SP-37 | |
| 124 | GSA 71 | Complex, incl.: Nucala, AHA, Rowden, Roldo Rowden, Hopi, Stormproof 120 | See Fig. 17 |
| 125 | GSA 74 | Sel. HYC MDR-2 | HYC MDR-2 Incl.: Stripper 31, Aub. M, AXTE, Breeding lines |
| 126 | GSA 75 | Sel. GSA 71 | and the state of t |
| 127 | GSA 78 | Sel. CA 614 | CA 614 (Table 3) |
| 128 | GSC 20 | Sel. CA 614 | Table 3 |
| 129 | GSC 25 | Sel. Gro-Agri 177 | |
| 130 | GSC 27 | Sel. Gro-Agri 71033 | |
| 131 | GSC 30 | Stripper 31A/Gro-Agri 12644 | 12644=Vert. wilt resistant line from Steve Wilheim, Univ. So. CA |
| 132 | GSC 71¢ | GSA 71/Gro-Agri 12644 | 12644=Vert. wilt resistant line from Steve Wilheim, Univ. So. CA |
| 133 | GSC 1093 | PM 404/GSA 75 | |
| 134 | GaCot 79 | DP Smoothleaf (frego bract)/3*DP 16 | DP Smoothleaf (frego bract)=Frego bract strain of DP Smoothleaf |
| 135 | Georgia King | Tifcot 56/McNair 235 | |
| 136 | Germain's Acala GC-352 | Sel. S-6889 | S6689=AXTE 1-57/Tex E364//C6TE/NMB3080 (Parents in Table 3) |
| 137 | Germain's Acala GC-356 | Sel. T-8687 | T8687=C6TE/NMB3080 (Parents in Table 3) |
| 138 | Germain's Acala GC-362 | Tex E364/12302-89//C6TE/NM7378 | Parents in Table 3 |
| 139 | Germain's Acala GC-363 | S1603/T4845 | T4845=C6TE/NMB3080 (Parents in Table 3); S1603=Sib. Acala SJ-2 |
| 140 | Germain's Acala GC-410 | T4852/S1391 | T4852=C6TE/NMB3080; S1391=C6TE/NMB3080/12302; Parents in Table 3 |
| 141 | Germain's Acala GC 445 | S2694/S3468 | S2694=12302-4//Tanguis/Acala 4-42; S3468=C6-5/Del Cerro 503; See Table 3 |
| 142 | Germain's Acala GC-510 | C6TE/NMB3080/NM7403/Acala 4-42-77 | Sib of Acala SJC-1; Parents in Table 3 |
| 143 | Germain's Acala GC-555 | Sel. T8687 | T8687=C6TE/NMB3080; Parents in Table 3 |
| 144 | Green | Sel. Colored-lint Cotton, USDA, Shafter | |
| 145 | HS 23 | Sel. McNair 235 | |
| 146 | HS 46 | AZ 7209/DP Acala 90 | AZ 7209 (Table 3) |
| 147 | Hancock | M8/Empire Wilt | M8 (Table 3); Empire Wilt=Empire WR? (Table 3) |
| 148 | Highland 34 | Acala 1517-70/Stripper 31 | Stripper 31 (Table 3) |
| 149 | Highland 52 | Sel. Rex Smoothleaf 66 | Rex Smoothleaf 66=Sel. Rex Smoothleaf (Table 3) |
| 150 | Holland 1379 | Sel. TX-Bonham | Bonham (Table 3) |
| 151 | Holland 4002 | Sel. Holland 5677 | Holland 5677=Sel. Bonham (Table 3) |
| 152 | Hurdt 570 Sel. CA614 | CA614 | Table 3 |
| 153 | Hurdt 580 | Selection in Hurdt breeding material | No additional info. given |
| 154 | Hurdt 590 | Hurdt 570/PM101-A | PM101.A=Sel. PM 101 (Fig. 9) |
| 155 | Hurdt 700 | Sel. Tamcot SP-21 | |
| 156 | Hurdt 750 | CA614/GSA 71 | CA614 (Table 3) |
| 157 | Hurdt 850 | Selection in breeding materials including Southeastern strains and Acala 308 | Acala 3080=NMB 3080? (Table 3); no additional info. given |
| 158 | Hurdt 900 | Selection in Hurdt's breeding material and Lankart 611 | Lankart 611 (Table 3); no additional info. given |
| | | | |

Table 2. Continued.

| | Cultivar Name | Pedigree | Notes on Pedigree |
|-----|----------------------|--|---|
| 159 | KC 380 | McNair 220/McNair 3150 | McNair 3150 (Table 3) |
| 160 | KC311 | DP Acala 90/McNair 235 | Metzer & Supak, 1990 has: McNair 3151/DP90 |
| 161 | KSA81M | Sel. UKA59/240 | Parents from Tanzania |
| 162 | Kings Acala MS | T6310/T6133//Pima S-4/3/DP61 | T6310=Tex E364/SJ-2; T6133=C6TE/NMB3080; Pima S-4 (Table 3) |
| 163 | LA 887 | DES 119/LA 434-RKR | LA434-RKR=DP 15/Clevewilt-6/DP 16; LA 434 in CS18:199; Parents in Table 3 |
| 164 | Lambright 2020 | No information available at this printing | |
| 165 | Lambright GL-4 | Lambright X-15-4/CA 852 | CA852 (Table 3) |
| 166 | Lambright GL-5 | Lambright X-15-4/CA 852 | CA852 (Table 3) |
| 167 | Lambright GL-F Sel. | Lambright GL-N | |
| 168 | Lambright GL-N | Lambright GL-5/CA1786 | CA1786 (Table 3) |
| 169 | Lambright L-X-28 | Sel. Lambright X-15-3 | |
| 170 | Lambright X-15-3-A | Lambright 123 BR-1/Del Cerro | No info. available on Lambright 123BR-1 at this printing; Del Cerro (Table 3) |
| 171 | Lambright X-15-4 | Lambright 123 BR-1/Del Cerro | No info. available on Lambright 123BR.1 at this printing; Del Cerro (Table 3) |
| 172 | Lamesa 5 | Blightmaster A-5/Lankart 3940 | No info. available on Lankart 3940 at this printing |
| 173 | Lamesa 8 | Blightmaster A-5/Lankart 3840 | Lankart 3840 (Table 3) |
| 174 | Lankart 142 | Westburn MLockett 77 | |
| 175 | Lankart 175 | Sel. Lines Related to Lankart LX571 | No additional info. given |
| 176 | Lankart 311 | Lankart 175/Lankart 3840 | Lankart 3840 (Table 3) |
| 177 | Lankart 511 | Lockett 4789/3/Lockett 4789-A//SP52-67/79N.BV65 | Parents in Table 3 |
| 178 | Lankart LX 571 | Lankart 57/Lankart 3840 | Parents in Table 3 |
| 179 | Lankart PR 75 | Lockett 4789-A/SP11-67//79N.BV65/HI-67 | No information on on HI-67 at this printing; Other parents in Table 3 |
| 180 | Lockett 77 | Lockett 4789-A/SP12-67//Lockett 4789A/CA563 | Lockett 4789, SP 12, and CA563 (Table 3) |
| 181 | Lockett BXL | Lockett 4789 (31)/SP19//SP20 | Parents in Table 3 |
| 182 | McDonald 3 | Sel. Lamesa 8 | |
| 183 | McNair 210 | Rex/Atlas 182 | Parents in Table 3 |
| 184 | McNair 220 | CKR 201/PD2165 | Parents in Table 3 |
| 185 | McNair 235 | CKR 201/PD2165 | Parents in Table 3 |
| 186 | McNair 511 | Sel. McNair 1032 | McNair 1032 (Table 3) |
| 187 | McNair 612 | McNair 1032/CKR 201-16-B | McNair 1032 and Coker 201 (Table 3) |
| 188 | New Mexico Acala #20 | Sel. Watson's Acala via NM 1-19 via 1450 via 707 | 1450 (Fig. 10) |
| 189 | Northern Star 5 | Stormproof/Northern Star 11//Stormmaster | Stormaster (Table 3); Northern Star=Sel. Lankart (Ramey, 1966) |
| 190 | Northern Star 998 | Selection in commercial field near Littlefield, TX | No additional info. given |
| 191 | Northern Star R-4A | Sib. Stripper 31 | Table 3 |
| 192 | PD-1 | PD4381/PD8623 | Parents in Table 3 |
| 193 | PD-2 | FTA 266/Atlas/AC235/Dixie King | FTA, Altas, AC, Dixie King (Table 3) |
| 194 | PD-3 | PD9363/PD9240 | Parents in Table 3 |
| 195 | PR 80 | Tamcot SP-23/520, BV65 | 520, BV65 (Table 3) |
| 196 | Paymaster 101-B | Sel. PM 101 | PM 101 (Table 3) |
| 197 | Paymaster 111-A | Sel. PM 111 | PM 111 (Table 3) |
| 198 | Paymaster 145 | Sel. Tamcot SP-21 | |
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| | Cultivar Name | Pedigree | Notes on Pedigree |
| 199 | Paymaster 147 | 347-355/PM 404 | 347-355=PM 111A-B4/A6-634 (from K.H. Sneetz, FC) |
| 200 | Paymaster 266 | AZ 6024-11-1-2/DP5540/PM 101A/TAES B4 | AZ 6024, PM 101, and DP5540 (Table 3); TAES B4=B4LK (Table 3) |
| 201 | Paymaster 303 | PM 18/PM 111 | Parents in Table 3 |
| 202 | Paymaster 404 | Sel. PM 303 | |
| 203 | Paymaster 505 | PM18/PM111 | Parents in Table 3 |
| 204 | Paymaster 784 | PM 202/5/Blightmaster/Empire KK/3/Shafter 011/4/PM 202/Empire GL | Blightmaster, Empire, PM 202, and Shafter 011 (Table 3) |
| 205 | Paymaster 785 | Sel. PM 909 | Possible outcross; PM 909 (Table 3) |
| 206 | Paymaster 792 | PM DwarfTenn. 59-538 | No additional info. available |
| 207 | Paymaster 892 | PM266/New Mexico Acala/Westerburn M/PM303 | Order of crosses assumed |
| 208 | Paymaster Dwarf | PM 105/146-21VF62 | PM105 (Table 3); no additional info. available |
| 209 | Paymaster HS 26 | Acala SJ4/5B9-184 | |
| 210 | Paymaster HS200 | 107X329 123171-74/160X145 145521 | 107X=Tamcot 788/NMB4364; 160X=NMB3080/B6-1380; most in Table 3 |
| 211 | Pioneer Brand PR 68 | Lockett 4789/SP-52-67//Lockett 4789-A/79N, BV65 | Parents in Table 3 |
| 212 | Prolific Stormproof | Western Stormproof/Acala 1517BR2 | Parents in Table 3 |
| 213 | Quapaw | Complex cross of; Nucala, AHA, Rowden, Hopi, Stormproof, Empire WR | Metzer et al., 1984 has: "Pedigree similar to Stripper 31"; See Fig. 17 |
| 214 | Quapaw D | Sel. Quapaw | |
| 215 | Ranger 55 | Sel. Little's Special | Little's Special=Sel. Macha; Macha (Fig. 9) |
| 216 | Ranger 64-2 | Sel. Ranger RV-64 | |
| 217 | Ranger BB-53 | Stripper 31/PM111-A | Stripper 31 (Table 3) |
| 218 | Ranger RV-12 | Sel. CA1072 | CA1072 (Table 3) |
| 219 | Ranger RV-64 | Sel. CA614 | CA614 (Table 3) |
| 220 | Ranger TM-62 | Lewis/Tamcot CAMD.E | |
| 221 | Rex 713 | Sel. Rex Smoothleaf-66 | Rex Smoothleaf-66=Sel. Rex Smoothleaf (Table 3) |
| 222 | Rilcot 90 | Sel. Macha | Macha (Fig. 9) |
| 223 | Rilcot 90-A | Sel. Rilcot 90 | |
| 224 | Rilcot 95 | Selection in the Rilcot breeding program" | No additional info. given |
| 225 | Rilcot Balebuster-1 | CA491/Rilcot Stripper N | CA491 (Table 3) |
| 226 | Rilcot Drylander 289 | 'Selection in the Rilcot breeding program" | No additional info. given |
| 227 | Rilcot RK-6 | CA1786/Rilcot breeding material | CA1786 (Table 3) |
| 228 | Rilcot Stripper N | Sel. CA 398 | CA398 (Table 3) |
| 529 | Rogers 7590 | Quapaw/Lyman G11//2*RDC 10N | RDC 10N=Sel. Rogers LG 10; Lyman G11=TAES glandless line |
| 230 | Rogers GL-6 | W6/4*M8//Del Cerro/3/W6/4-M8948//Lankart 57 | W6=Watson Stormproof B-29; Other parents in Table 3 |
| 231 | Rogers LG 86 | EC 8/Rogers LG-102 | EC 8=Line from E. Cook of Lubbock Christian College, Lubbock, TX |
| 232 | Rogers LG-10 | TX AES Lines/Glandless From Ferris Watson Seed Co. | No additional info. at this printing |
| 233 | Rogers LG-102 | Rogers LG-10/Glandless, Nectariless From TX AES | No additional info. at this printing |
| 234 | S-35 | Sel. McNair 235 | |
| 235 | S-55 | Sel. MD82ne | MD82ne (Table 3) |
| 236 | SC-1 | CKR 421/PD4398 | Parents in Table 3 |
| 237 | SV 13 | Sel. DP 16 | DP 16 (Table 3) |
| 238 | SV 93 | Sel. DP 16 | DP 16 (Table 3) |
| | | The state of the s | |

Table 2. Continued.

| 060 | Cultivar Name | Pedigree | Notes on reugree |
|-----|-------------------|---|--|
| 270 | Si Samrong 60 | ACG 1217.3-2/SI Samrong 2 | ACQ=A 200/Carolina Queen: SI Samrong 2=Complex interspecific |
| | St Camping of | 911011111111111111111111111111111111111 | The state of 1900 - 1900 - 1 - 1 - 1 - 1 - 1 - 2 - 1 - 3 |
| 241 | Simwalt 82 | Tamcot 24/3300 | Tailleof 24 (Table 9), 9900-IIII2/OIX 19-2, IIIIZ (Table 9) |
| 242 | Southland 400 | DP 6434-58-61/PM 266-B9-24-2 | DP6434 (Table 3) |
| 243 | Southland M1 | DP 6434-58-61/PM 266-B9-24-2 | DP6434 (Table 3) |
| 244 | Southwest 222 | TAES MAR strain/Auburn M | Auburn M (Table 3); no additional info. available |
| 245 | Southwest 227 | Sel. Southwest 2 | Southwest 2= crosses between MAR and nematode resistant strains |
| 246 | Southwest 584 | Sel. TAES, Lubbock breeding line | No additional info. available |
| 247 | Stoneville 112 | Sel. STV 213 | STV 213 (Table 3) |
| 248 | Stoneville 132 | DES 56/Tamcot SP37 | |
| 249 | Stoneville 256 | Sel. STV 7 | STV 7 (Table 3) |
| 250 | Stoneville 302 | PM 266-69/STV 213 | STV 213 (Table 3) |
| 251 | Stoneville 453 | STV 603/STV 213 | STV 213 (Table 3) |
| 252 | Stoneville 506 | STV 7/STVX1834 | STV 7 (Table 3); No info. available on STVX1834 |
| 253 | Stoneville 603 | STV 7/AUB 257-202 | STV 7 (Table 3); No info. available on AUB 257-202 |
| 254 | Stoneville 731N | STV 7AMeyer 76-4 | STV 7A (Table 3); Meyer 76-8=BC2 STV 7A to nectariless source |
| 255 | Stoneville 825 | Sel. STV 731N | |
| 256 | Stoneville 907 | DES 06-20-24/STV 18777N or DES 24/STV825 | DES 06-20-24=DES24; STV 1877N=STV825 |
| 257 | Stoneville BR-110 | DP Acala 90/DP 120 | |
| 258 | Stoneville BR-115 | DP Acala 90/DP 70 | |
| 259 | Stripper 31A | Complex cross of: Roldo Rowden #5 & #27, Empire WR, BBR 4-1-36 B2 | Presumed pedigree in Fig. 17 |
| 260 | Stroman 254 | Formerly, "GSA-254; "Sel. out of Acala-type cotton" | No additional info. available |
| 261 | Sure-Grow 1001 | McNair 235/DP Acala 90 | No additional info. available |
| 262 | TPSA 1633 | Sel. breeding line 62.0-10 | No additional info. given |
| 263 | TSP 333-HS | selection process from hybrid germplasm" | No additional info. available |
| 264 | Tamcot 788 | CA398/P1874 | Parents in Table 3 |
| 265 | Tamcot CAB-CS | CAMD-21-S-78/BCUS-8-76 | Parents in Table 3 |
| 598 | Tamcot CAMD-E | MDR.SP7-67/17M2//SP46-67/17M2 | Parents strains of Tamcot SP21 and SP37, all with pedigree=92K/62K (Table 3) |
| 267 | Tamcot CD3H | Tamcot SP37H/CDPS-1-77 | CDPS-1-77 (Table 3) |
| 268 | Tamcot GCNH | CAMD-21S-5-80/GN-8-76 | Parents in Table 3 |
| 569 | Tamcot HQ95 | Tamcot CD3H/MAR-CABU CS-2-1-83 | MAR-CABU'CS-2-1-83=Sib. Tamcot CAB-CS |
| 270 | Tamcot SP21 | K4808-5 (1&2)D//Blightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 | Parents in Table 3; Bulk of similar strains |
| 271 | Tamcot SP21S | SP21F/SP33F//SP21V/SP37V | Parents are strains of Tamcot SP21 & SP37; Composite of H4-14-71 & H4-18-72 |
| 272 | Tamcot SP23 | K4808-5 (1&2)D/Blightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 | Parents in Table 3; Bulk of similar strains |
| 273 | Tamcot SP37 | K4808-5 (1&2)D//Blightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 | Parents in Table 3; Bulk of similar strains |
| 274 | Tamcot SP37H | 66N, B.V.65/520, B.V.65 | Parents in Table 3; Composite of strains, H2-45-74, H2-46-74, and H2-47-74 |
| 275 | Terra 207 | DES24/DES56 | |
| 276 | Terra C-30 | 6942.051/DES 56 | 6942.051=DP 16 Background; See DP 50 |
| 277 | Terra C-40 | 6942-051/DES 56 | 6942-051=DP 16 Background; See DP 50 |
| 278 | Terra SR-10 | DP 6434/CA 1073 | Parents in Table 3 |
| | | | |

Table 2. Continued.

| 100 | Table 2: Committee | | |
|-----|--------------------|---|--|
| | Cultivar Name | Pedisree | Notes on Pedigree |
| 979 | Thomas | Lankart 611/Fox 42-5//Fox 42-5 | Lankart 611, Fox 42 in Table 3 |
| 280 | Tifeet 56 | PD4381/CKR 310 | PD4381 (Table 3) |
| 281 | Westburn 70 | Sel. Westburn | Westburn (Table 3) |
| 282 | Westburn M | (Im2/22-3)F3 4-1/Westburn BC4 | Im2, Westburn (Table 3), 4-1=STV 20/Acala 5675 |
| 283 | Western 44 | Acala 44/Western Stormproof | Parents in Table 3 |
| 284 | Wiltmaster 569 | CA1056-69-10//AZ6024/DP5540 | Parents in Table 3 |
| 285 | Wiltmaster 571 | CA803/AZ6024 | Parents in Table 3 |
| | | | |
| Pim | Pima Cottons | | |
| 1 | Pima S-5 | Pima 3-79/Pima S-1//Pima S-1/3/Pima S-4 | Parents in Table 3 |
| 23 | Pima S-6 | 5934-23-2-6/5903-98-4-4 | |
| က | Pima S-7 | 6614-91-93/6907-513-509-501 | 6614=Sib. Pima S-6; 6907=P28/Pima S-4 |
| 4 | CH252 | Sel. P79-103 | P79.103=6503/6612 |
| 5 | CH253 | Sel. Pima S-6 | |

Table 3. Pedigrees of breeding lines and obsolete cultivars included in pedigress of cotton cultivars released between 1970 and 1990.

| Strain/cultivar name | Pedigree | Pedigree Notes | Source |
|----------------------|--|----------------------------------|----------------------|
| 12302 | AXTE-1/NM2302 | Also Fig. 16 | Turner, 1974 |
| 250 | Sel. 8373 | | Staten, 1971 |
| 349-25 | K3131/Unidentified John Cotton wilt line | K3131 from Africa | W. Fisher/PC |
| 350-26 | Unidentified John Cotton Acala line/87.49 | 87-49=Unidentified Missouri line | W. Fisher/PC |
| 49W | Acala 49/Hartsville | | Staten, 1971 |
| 8373 | Acala? with introgression of Arizona Long Staple 120 (G. barbadense) | | Staten, 1971 |
| 9136 | Complex cross w/ Tanguis and Arizona Long Staple 120, BC to Acala 1517 types | | Staten, 1971 |
| AHA 6-1 | HA76/sel. no. 5-12 of Acala 1517 | Also Fig. 10 | Staten, 1971 |
| AXTE-1 | Acala 51//TH 458/2*Early Fluff | Fig. 16 | T. Kerr, Unpublished |
| AZ5909 | AXTE/8 to 10 Acala lines | | W. Fisher/PC |
| AZ6010 | Incl.: Acala, Triple Hybrid, Early Fluff, and Lankart 57 | Probably AXTE/Lankart 57 | AZ AES release memo |
| AZ6024 | 349-25/AHA/4/350-26/3/49W/ROXE//KP/C108 | KP from Africa | W. Fisher/PC |
| AZ6401 | Exp. designation of AZ64 (see Table 2) | | AZ AES release memo |
| AZ7209 | 6608/1209-6-19-7-69 | No additional info. available | W. Fisher/PC |
| Acala 1517 | Sel. Watson's Acala via Young's Acala via 329 via 504 via 1064 | Also Fig. 10 | Staten, 1971 |
| Acala 1517 | BR-2 8373/SITV 20//Acala 216/3/Acala 49/Hartsville | | Staten, 1971 |
| Acala 1517B | Sel. Watson's Acala via 707 via 233 via 2652 via 6068 via 3754 | Watson's Acala (Fig. 10) | Staten, 1971 |
| Acala 1517D | Cross of 2 exp. strains of unknown parentage, Probable introgression of G. barbadense Also Fig. 10 | | Staten ,1971 |
| Acala 216 | Sel. Acala 1517B Acala 2187 Acala 2503/Coquett//Acala 840 | | CS32:831 |
| Acala 2503 | Exp. Acala strain/Sib. original Acala 1517 | | CS18:163-164 |
| Acala 29 | Sel. Acala 1517 (see Fig. 10) | | Staten 1971 |
| Acala 4-42 | Sel. Acala 1517 (Plant #4 in 1942) (Possibly out crossed to Missdel Acala) | Also Fig. 10 | Staten, 1971 |
| Acala 4-42-77 | Sel. Acala 4-42 (see Fig. 10) | | S.R Oakley/PC |
| Acala 44 | Santan Acala/Acala 1517 | Also Fig. 10 | Staten, 1971 |
| Acala 49 | Sel. Acala 1517B | | Staten, 1971 |
| Acala 51 | Missdel/Acala P18C//Acala 29 | Acala P18C (Fig. 10) | Turner, 1974 |
| Acala 5675 | Sel. Acala #5 | Fig. 10 | Ramey, 1966 |
| Acala 840 | Unknown | | Not in Staten, 1971 |
| Acala 8874 | Acala 1517V/Acala 2187 | Acala 1517V (Table 2) | CS32:831 |
| Acala P18C | Sel. Acala P12; P12 selected before 1928 from Selection #1 of the original Acala (from 1907) | Also Fig. 10 | Turner, 1974 |
| Acala Q6-2 | Sel. Original Acala via P12 via #1 | Fig. 10 | Ramey, 1966 |
| Atlas 182 | Pandora/Florida Green Seed//Early Fluff/3/AHA 6.1-4/4/Triple Hybrid 458 | Fig. 14 | T. Kerr, Unpublished |
| Atlas 261 | Pandora/Florida Green Seed//Early Fluff/3/AHA 6-1-4/4/Triple Hybrid 458/5/AC 239 | Fig. 14 | T. Kerr, Unpublished |
| Atlas 302 | Pandora/Florida Green Seed//Early Fluff/3/AHA 6.1-4/4/Triple Hybrid 458/5/Emprie | Fig. 14 | T. Kerr, Unpublished |
| Atlas 352 | Atlas 302//C6-5/Earlistaple | Fig. 14 | T. Kerr, Unpublished |
| Atlas 66 | Mix of Atlas 261 line and Atlas 352 lines | Fig. 14 | T. Kerr, Unpublished |
| Atlas 67 | Mix of Atlas 352 selections | Fig. 14 | T. Kerr, Unpublished |
| Auburn 56 | Cook 307-6/2*CKR 100//CKR 100W | Fig. 6 | Ramey, 1966 |
| Auburn M | Sel. Auburn 56 | Fig. 6 | Ramey, 1966 |
| B1413 | 250/49Wi/250/9136 | | Staten, 1971 |
| | | | |

Table 3. Continued.

| Strain/cultivar name | Pedigree | Pedigree Notes | Source |
|----------------------|--|--------------------------------|----------------------|
| BBR | Sel. Jackson Round Boll via STV 2B via STV 5 via Lone Star | Fig. 4 | Ramey, 1966 |
| Blightmaster | Stormmaster*2/4-1; 4-1=STV20/Acala 5675 | Fig. 9; See also CA291A | Ramey, 1966 |
| Bonham | Empire/Lankart B4//Tamcot SP21; Lankart B4=B4LK (Table 3) | Tamcot SP21 (Table 2) | Metzer & Supak, 1990 |
| C108 | Wilt resistant Acala line from TX AES, El Paso | | W. Fisher/PC |
| C6-5 (AKA C6) | Q6.2 Acala/Hopi Mencopi/?*Acala; i.e. unknown number of backcrosses to unkown Acalas | Fig. 7 for Hopi Acala origin | Turner, 1974 |
| CETE | C6-5//TH458/Early Fluff | | S.R. Oakley/PC |
| CA1003 | CA958/CA702 | | D.F. Owen/PC |
| CA1056 | CA803/AZ6024 | | Metzer et al., 1984 |
| CA1072 | CA614/E364 | | D.F. Owen/PC |
| CA1073 | CA614 (V538)/AZ6024-11-1 | | D.F. Owen/PC |
| CA1076 | CA491/AZ6024-11-1 | | D.F. Owen/PC |
| CA122 | Macha/Rogers Acala 111; Same pedigree as Stormaster | Parents in Fig. 9 and 10 | D.F. Owen/PC |
| CA1786 | CA961/CA1003 | | D.F. Owen/PC |
| CA291A | STV 20/Acala 5675//2*CA122 (Thaxton/PC has "Blightmaster with B7 gene") | Same pedigree as Blightmaster | D.F. Owen/PC |
| CA398 | CA291A/89A//CA122; 89A=Macha/2*Acala | | D.F. Owen/PC |
| CA488 | Acala 49//Express/Egyptian/3/KP (African)/C108 | Express (Fig. 3) | D.F. Owen/PC |
| CA491 | C.B.3051 (Yugoslav)/Stormrider | | D.F. Owen/PC |
| CA550. | CA291A/Shafter 011 | | D.F. Owen/PC |
| CA563 . | Lankart 611W/CA398-56-4 | | D.F. Owen/PC |
| CA614 | CA488/CA398-56-4 | | D.F. Owen/PC |
| CA659 | CA291A/CA550 | | D.F. Owen/PC |
| CA663 | CA398/3/CA291A/Empire KK//Aub. 155-156 | | D.F. Owen/PC |
| CA702 | CA491//STV Smoothleaf/CA291A | | D.F. Owen/PC |
| CA758 | CA659/CA398 | | D.F. Owen/PC |
| CA788 | C398/P1874 | CA788=Tamcot 788 | D.F. Owen/PC |
| CA803 | Del Cerro/CA398 | | D.F. Owen/PC |
| CA852 | CA291A-60B//CA291A-60A/Shafter 011/3/P1874/4/CA398 | | D.F. Owen/PC |
| CA958 | Nectariless/3 (or 4)*CA291A | | D.F. Owen/PC |
| CA961 | CA491/Del Cerro | | D.F. Owen/PC |
| Clevewilt | Cleveland 884/Dixie Triumph | Fig. 5 | Ramey, 1966 |
| Coker | 100 Sel. STV 2 (possibly outcrossed to Coker Foster) | Fig. 5 | Ramey, 1966 |
| Coker 100 | Staple Sel. CKR 100 | | Ware, 1950 |
| Coker 100W | Sel Coker 100 (probably outcrossed to Clevewilt) | Fig. 5 | Ramey, 1966 |
| Coker 201 | Sel. Carolina Queen (see Fig. 5) | | L. May/PC |
| Coker 413 | Glabrous off-type in Coker 100 Wilt/Coker Wilds | | CS19:410 |
| Coker 421 | Sel. Coker 413 | | CS19:410 |
| Coker 67-109 | No information at this printing | | |
| Coker Wilds | Deltatype Weber/Lightning Express | AKA Wilds (Fig. 6) | Ramey, 1966 |
| Cook 307-6 | Sel. Cook Improved | Fig. 3 | Ramey, 1966 |
| Cook Improved | Sel. Beat-All; Probably outcrossed to Dickson | Fig. 3; Possible synonym, Cook | Ramey, 1966 |
| | The state of the s | | |

Table 3. Continued.

| Strain/cultivar name | Pedigree | Pedigree Notes | Source |
|-----------------------|--|---------------------------|----------------------|
| Coquette | LA AES strain of unknown parentage | | CS18:163-164 |
| Del Cerro | Sealand/Mesilla Valley Acala (MVA)//MVA/Triple Hybrid (TH)/3/MVA/TH//AHA 6-1-4/MVA | Also Fig. 10 | Staten, 1971 |
| Deltapine 14 | DP 11/DP 10 | Also Fig. 8 | K.R. Jone/PC |
| Deltapine 15 | Sel DP 14 | Also Fig. 8 | K.R. Jones/PC |
| Deltapine 16 | DP Smoothleaf/Fox 4-4205; Fox 4-4205=DP 45=Sel. Fox 4 | Parents in Fig. 8 | K.R. Jones/PC |
| Deltapine 45 | Sel. Fox 4; =Fox 4.4205 | Also Fig. 8 | K.R. Jones/PC |
| Deltapine 5540 | Auburn 56/DP 15 | Also Fig. 8 | K.R. Jones/PC |
| Deltapine 6434 | Sib. or Sel. DP SR-5 (Table 2) | | PVP # 9000154, Ex. A |
| Deltapine Smoothleaf | Sel. DP 15 | Fig. 8 | Ramey, 1966 |
| Dixie King | Coker 100W/Empire WR/Bobshaw 1; Bobshaw 1=Sel. STV 5A | Fig. 5 | Ramey, 1966 |
| E364 (see Tex E364) | Earlistaple Tidewater Acala/Coker Wilds | | Culp & Harrell, 1974 |
| Early Fluff | Station C/Empire; Station C=Sel. Clevewilt | | Turner, 1952 |
| Empire | STV 2/Cook 307-6 | Fig. 4 | Ramey, 1966 |
| Empire WR | Sel. Empire | =Empire WR?; Fig. 4 | Ramey, 1966 |
| Fox 4 | Sel. Fox; Fox=STV 2/DP 14 | Fig. 8 | Ramey, 1966 |
| Fox 42 | Probable synonym for Fox 4-4205 | | K.R. Jones/PC |
| Gregg | Sel. Macha | Fig. 9 | Ramey, 1966 |
| HA 76 | Hopi Moencopi/Acala Q 6-2; =Hopi Acala 76 | Fig. 7 | Ramey, 1966 |
| HYC74-283 | Mass Cross w/: (Half & Half, Quapaw, Stripper 31, PM 18, MO59-1021) / (71CX.15, 71C-18) | No additional info. given | CS21:991-992 |
| HYC76-59 | Sel. HYC74.283 | | CS21:991-992 |
| Hartsville | Indirect Sel. Wyche | Fig. 2 | Ramey, 1966 |
| Hopicala | Sel. no. 4447 from AHA 6-1-5 | Also Fig. 10 | Staten, 1971 |
| Im2 | Not available at this printing | | |
| John Cotton Polycross | Intercross: Acalas(Hopicala, 7378, 8229, 2302), Aub 56, STV213, DP Smoothleaf, PM111 | | Meredith, 1991 |
| Lankart | Indirect Sel. Petit Gulf | Fig. 3 | Ramey, 1966 |
| Lankart 3840 | Sel. Lankart 57 | | Niles/PC |
| Lankart 57 | Sel. Lankart | Fig. 9 | Ramey, 1966 |
| Lankart 611 | Sel. Lankart 57 | Fig. 9 | Ramey, 1966 |
| Lewis | Not available at this printing | 2.151.151.151.151 | |
| Lockett 4789 | Lone Star/ Lockett 88A | Fig. 9 | Ramey, 1966 |
| Lubbock 4 | Not available at this printing | | 77.7 |
| M8 | Doubled haploid of DP 14 | | W.M. Meredith/PC |
| M8948 | Original designation of M8 | | W.M. Meredith/PC |
| MD 82 ne | DES24/DES24-8ne//DES24; DES24-8ne=DP16 nectariless on DES24 background | DES 24 in Table 2 | |
| MO-Del | TH108/AHA 6-1-4//Cook/Empire/3/Tanguis/4/Pandora/Early Fluff/5/Early Fluff 310/6/Aub. 56 | Fig. 15 | Kerr, Unpublished |
| MO63-277 | Exp. designation of Delcot 277 (see Table 2) | Also Fig. 15 | CS12:126-127 |
| MO63-277BR2A | Crosses among: Delcot 277, MoDel, Auburn 56 | No additional info. given | CS25:198 |
| McNair 1032 | Sel. Auburn 56 | Fig. 6 | Ramey, 1966 |
| McNair 3150 | McNair7125/CKR 310 | | L. Roberts/PC |
| McNair 7125 | Atlas 92/Rex | | L. Roberts/PC |
| | | | |

Table 3. Continued.

| Strain/cultivar name | Pedigree | Pedigree Notes | Source |
|------------------------|---|--|----------------------|
| Mesilla Valley Acala | Sel. Watson' Acala via 707 via 1450 via Mesa Acala | | Staten, 1971 |
| Missdel | Sel. Foster | Fig. 7 | Ramey, 1966 |
| NM2302 | Exp. designation of Acala 1517D (see Fig. 10) | | Turner, 1974 |
| NM49-2 | Sel. Acala 49 | | Assumed |
| NM7403 | No information available at this printing | | Not in Staten, 1971 |
| NMB3080 | Acala 49W/9136 | | Staten, 1971 |
| NMB4364 | Exp. designation of Acala 1517-70 (see Table 2) | | CS18:164 |
| NMB7378 | Acala 2503/Coquette | Sib. Acala 1517V (Table 2) | Staten, 1971 |
| Nucala | Sel. original Acala via 5-37 via #5 via #3 | Fig. 10 | Ramey, 1966 |
| P1874 | High strength line from El Paso; Pedigree unknown | The state of the s | D.F. Owen/PC |
| Pandora | Station C/Station 21; Station C=Sel. Clevewilt; Station 21=Sel. Dixie Triumph | Parents in Fig. 5 | Turner, 1954 |
| Paymaster 101 | PM 54/9-1; 9-1=Stoneville 20/Acala 5675/Stormmaster | Fig. 9 | Ramey, 1966 |
| Paymaster 105 | PM54/Macha/2*PM54 | Parents in Fig. 9 | Niles/PC |
| Paymaster 111 | PM 101/Lankart 611 | Fig. 9 | Ramey, 1966 |
| Paymaster 18 | Rowden/Empire/Empire/3/Oklahoma 4-1-3-6B2 | Okla=Sel. Acala ? (Ware, 1950) | R.H. Sheetz/PC |
| Paymaster 202 | Sel. PM101 | Fig. 9 | Ramey, 1966 |
| Paymaster 54 | Sel. Kekchi | Fig. 9 | Ramey, 1966 |
| Paymaster 909 | PM 101/CA 2; CA 2=Acala/Hopi | | Bowman/PC |
| ROXE | Unidentified John Cotton line | | W. Fisher/PC |
| Rex | BBR/2*Empire | Fig. 7 | Ramey, 1966 |
| Rex Smoothleaf | Dwarf Smoothleaf/2*BBR//Empire/2*Rex | Fig. 7 | Ramey, 1966 |
| Rowden | Sel. Bohemian | Fig. 3 | Ramey, 1966 |
| S1603 | AXTE-1/NM 2302 | Sib. Acala SJ-2 (Table 2) | S.R. Oakley/PC |
| Sealand 542 | Bleak Hall (a Sea Island)/5*Coker Wilds | | Culp & Harrell, 1974 |
| Shafter 011 | glandless line from Shafter, CA | | D.F. Owen/PC |
| Stoneville | 20 Sel. Jackson Round Boll via STV 5A via STV 5 via Lone Star | Fig. 4 | Ramey, 1966 |
| Stoneville 213 | Sel. Jackson Round Boll via STV 7 via STV 2B via STV 5 via Lone Star | Fig. 4 | Ramey, 1966 |
| Stoneville 7 | Sel. Jackson Round Boll via STV 2B via STV 5 via Lone Star | Fig. 4 | Ramey, 1966 |
| Stoneville 7A | Sel. Jackson Round Boll via STV 7 via STV 2B via STV 5 via Lone Star | Fig. 4 | Ramey, 1966 |
| Stormmaster | Macha/Acala 111 | Fig. 9; Same pedigree as CA122 | Ramey, 1966 |
| Stripper 31 | SP31-66-2373; no additional info. available at this printing | Probable pedigree in Fig. 17 | R.H. Sheetz/PC |
| TH (Triple Hybrid) 108 | G. arboreum/G. thurberi//3*Coker 100/3/Cook 144-133/4/Coker 100WR | Fig. 12 | Kerr, Unpublished |
| TH (Triple Hybrid) 149 | TH 108/Rowden 2088//Empire 8/3//Empire 10 | Fig. 13 | Kerr, Unpublished |
| TH (Triple Hybrid) 171 | G. arboreum/G. thurberi//3*Coker 100/3/Cook 144-133/4/Coker 100WR | Fig. 12 | Kerr, Unpublished |
| TH (Triple Hybrid) 458 | G. arboreum/G. thurberi//3*Coker 100/3/Cook 144-133/4/Coker 100WR | Fig. 12 | Kerr, Unpublished |
| TJ x EF 310 | TH 108/AHA 6-1-4/3/Cook/Empire//Tanguis/4/Pandora/Early Fluff/5/Early Fluff 310 | Also Fig. 15 | CS12:126 |
| Tanguis | Wilt tolerant G. barbadense from Peru | | Turner, 1974 |
| Tex E364 | Strain from Escaleta Station, El Paso, TX, Unknown pedigree | | D.F. Owen/PC |
| Tidewater Acala | | | |
| Westburn | Auburn 56/Western Stormproof | Parents in Fig. 6 and 9 | CS 9:522 |

Table 3. Continued.

| Western Stormproof Western Prolific-2/Macha Wilds See Coker Wilds, this tat Multiple Adversity Resistance (MAR) germplasm fr 101-102B Sel. SP52-67 39-11-20 Glandless genetic stock f 520, BV.65 K4808-5 (1&2)D//Blightm 61K K4808-5 (1&2)D//CA291A 62K K4808-5 (1&2)D//Blightm 92K K4808-5 (1&2)D//Blightm 93K K4808-5 (1&2)D//Blightm 93K K4808-5 (1&2)D//Blightm 93K K4808-5 (1&2)D//Blightm 93K K4808-5 (1&2)D//Blightm CAMD ST6C Same as Tamcot SP21S (CAMD ST5C) CAMD-21-S-78 21-18 (strain of Tamcot ST21S) CDPS-1-77 H4.14-71 (strain of Tamcot ST21S) GN.R CHAH-11-11 (strain of Tamcot ST21S) | Western Stormproof Western Prolific-2Macha Wilds See Coker Wilds, this table Multiple Adversity Resistance (MAR) germplasm from Texas AES, College Station 101-102B Sel. SP52-67 39-11-20 Glandless genetic stock from Scott Mc Michael, Cotton Res. Ctr., Shafter, CA 520, BV.65 K4808-5 (1&2)D/RBightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 61K K4805-5 (1&2)D/RBightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 65K K4806-5 (1&2)D/RBightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 79N,BV65 K4808-5 (1&2)D/RBightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 92K K4808-5 (1&2)D/RBightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 92K K4808-5 (1&2)D/RBightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 92K K4808-5 (1&2)D/RBightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 93K K4805-5 (1&2)D/RBightmaster/39-11-20/3/K4808-5 (1&2)D/RBightmaster/39-11-20/3/K4808-5 (1&2)D/ | Fig. 9 Component line of SP21 or SP37 CA291A=Blightmaster CA291A=Blightmaster Component line of SP21 or SP37 Component line of SP21 or SP37 Synonymous w/ B4 or TAES B4 | Ramey, 1966 Thaxton/PC CS16:884 TAES Bul. L.1672 Thaxton/PC TAES Bul. L.2138 TAES Bul. L.2138 TAES Bul. L.2138 |
|---|--|---|--|
| Adversity Resistan 55 56 67 76 77 75 75 77 77 88 | rilds, this table rmplasm from Texas AES, College Station netic stock from Scott Mc Michael, Cotton Res. Ctr., Shafter, CA 2)D//Blightmaster/39-11-20/3/K4808-5 (1&2)D/Pay/M54-M-105-3 2)D//CA291A/39-11-20/3/K4808-5 (1&2)D/Pay/M54-M-105-3 2)D//Blightmaster/39-11-20/3/K4808-5 (1&2)D/Pay/M54-M-105-3 2)D//Blightmaster/39-11-20/3/K4808-5 (1&2)D/Pay/M54-M-105-3 2)A/Pay/M54-105-3 2)A/Pay/M54-10 | Component line of SP21 or SP37 CA291A=Blightmaster CA291A=Blightmaster Component line of SP21 or SP37 Component line of SP21 or SP37 Synonymous w/ B4 or TAES B4 | Thaxton/PC CS16:884 TAES Bul. L-1672 Thaxton/PC Thaxton/PC Thaxton/PC Thaxton/PC Thaxton/PC Thaxton/PC Thaxton/PC Thaxton/PC Thaxton/PC TAES Bul. L-2240 TAES Bul. L-2138 TAES Bul. L-2138 TAES Bul. L-2138 TAES Bul. L-2138 |
| Adversity Resistan 55 56 67 76 77 75 75 75 77 77 88 | rmplasm from Texas AES, College Station netic stock from Scott Mc Michael, Cotton Res. Ctr., Shafter, CA 2D//Rbiightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 2)D//CA291A/39-11-20 2D//Rbiightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 2D//Blightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 2D//Blightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 2D//Blightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 2D//Rbiightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 2D//Rbiightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 2D//Rbiightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 2A/PayM54-105-3 2A/PayM54-105-3 2A/PayM54-105-3 2A/PayM54-105-3 an intercross of Tamcot SP21, SP23, and SP37//Blank-1.73 ASP-3-69; ASP-3-69=Lewis-12-71=Tamcot SP23/A8-64; A8-64=BC to Texcala acot SP21S (Table 2) ain of Tamcot SP21)/H4-14-71 (strain of Tamcot SP21S) of Tamcot SP21J/H4-14-71 (strain of Tamcot SP21S) | Component line of SP21 or SP37 CA291A=Blightmaster CA291A=Blightmaster Component line of SP21 or SP37 Component line of SP21 or SP37 Synonymous w/ B4 or TAES B4 | Thaxton/PC CS16:884 TAES Bul. L-1672 Thaxton/PC Thaxton/PC Thaxton/PC Thaxton/PC Thaxton/PC Thaxton/PC Thaxton/PC Thaxton/PC Thaxton/PC TAES Bul. L-2240 TAES Bul. L-2138 TAES Bul. L-2138 TAES Bul. L-2138 Thaxton/PC TAES Bul. L-2138 |
| 5 5 5 6 6 75 75 75 75 77 7 7 7 8 8 8 8 8 9 9 9 9 9 9 9 9 9 9 | rmplasm from Texas AES, College Station netic stock from Scott Mc Michael, Cotton Res. Ctr., Shafter, CA 2)D///Blightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 2)D///CA291A/39-11-20 2)D///CA291A/39-11-20 2)D///Blightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 2)D///Blightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 2)D///Blightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 2)D///Blightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 2)D///Blightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 2)A/PayM54-105-3 2)A/PayM54-105- | Component line of SP21 or SP37 CA291A=Blightmaster CA291A = Blightmaster Component line of SP21 or SP37 Component line of SP21 or SP37 Synonymous w/ B4 or TAES B4 | Thaxton/PC CS16:884 TAES Bul. L-1672 Thaxton/PC Thaxton/PC Thaxton/PC Thaxton/PC Thaxton/PC Thaxton/PC Thaxton/PC Thaxton/PC Thaxton/PC TAES Bul. L-2240 TAES Bul. L-2138 TAES Bul. L-2138 TAES Bul. L-2138 Thaxton/PC TAES Bul. L-2138 |
| 55 56 5 76 75C 1-S-78 13-5 77 | netic stock from Scott Mc Michael, Cotton Res. Ctr., Shafter, CA 2)D//Blightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 2)D//CA291A/39-11-20 2)D//CA291A/39-11-20 2)D//CA291A/39-11-20 2)D//Blightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 2)D//Blightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 2)D//Blightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 2)A/PayM54-105-3 | Component line of SP21 or SP37 CA291A=Blightmaster Component line of SP21 or SP37 Component line of SP21 or SP37 Synonymous w/ B4 or TAES B4 | Thaxton/PC CS16:884 TAES Bul. L-1672 Thaxton/PC Thaxton/PC TAES Bul. L-1672 Thaxton/PC Thaxton/PC Thaxton/PC Thaxton/PC Thaxton/PC Thaxton/PC Thaxton/PC Thaxton/PC Thaxton/PC TAES Bul. L-2340 TAES Bul. L-2138 TAES Bul. L-2138 TAES Bul. L-2138 |
| 55 5 5 76 76 75 75 77 8 8 8 | netic stock from Scott Mc Michael, Cotton Res. Ctr., Shafter, CA 2D//Bightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 2)D//CA291A/39-11-20 2)D//CA291A/39-11-20 2)D//CA291A/39-11-20 2)D//Bightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 2)D//Blightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 2)D//Blightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 2)A/PayM54-105-3 2) | Component line of SP21 or SP37 CA291A=Blightmaster CA291A=Blightmaster Component line of SP21 or SP37 Component line of SP21 or SP37 Synonymous w/ B4 or TAES B4 | CS16:884 TAES Bul. L-1672 Thaxton/PC TAES Bul. L-1672 Thaxton/PC Thaxton/PC Thaxton/PC Thaxton/PC TAES Bul. L-2240 TAES Bul. L-2240 TAES Bul. L-2138 TAES Bul. L-2138 TAES Bul. L-2138 |
| N.65 3V.56 V65 V65 S.76 1.73 S.76 S.76 S.76 S.21-S.78 S.21-S.78 S.21-S.78 ABR | 2)D//Blightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 2)D//CA291A/39-11-20 2)D//CA291A/39-11-20 2)D//CA291A/39-11-20 2)D//Blightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 2)D//Blightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 2)D//Blightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 2)D//Blightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 2)A/PayM54-105-3 2)A/P | Component line of SP21 or SP37 CA291A=Blightmaster CA291A=Blightmaster Component line of SP21 or SP37 Component line of SP21 or SP37 Synonymous w/ B4 or TAES B4 | TAES Bul. L.1672 Thaxton/PC Thaxton/PC TAES.Bul. L.1672 Thaxton/PC Thaxton/PC Thaxton/PC TAES Bul. L.2240 TAES Bul. L.2138 TAES Bul. L.2138 TAES Bul. L.2138 TAES Bul. L.2138 |
| 3.V.56 V65 | 2)D//CA291A/39-11-20 2)D//CA291A/39-11-20 2)D//CA291A/39-11-20 2)D//CA291A/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 2)D//Blightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 2)D//Blightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 2)A/PayM54-105-3 2)A/PayM54-105-3 2)A/PayM54-105-3 ackground with B4 gene for bacterial blight resistance m intercross of Tamcot SP21, SP23, and SP37/Blank-1-73 ASP-3-69; ASP-3-69=Lewis-12-71=Tamcot SP23/A8-64; A8-64=BC to Texcala acot SP21S (Table 2) ain of Tamcot SP21)/H4-14-71 (strain of Tamcot SP21S) of Tamcot SP21J/H4-14-71 (strain of Tamcot SP21S) | CA291A=Blightmaster CA291A=Blightmaster Component line of SP21 or SP37 Component line of SP21 or SP37 Synonymous w/ B4 or TAES B4 | Thaxton/PC Thaxton/PC TAES Bul. L-1672 Thaxton/PC Thaxton/PC Thaxton/PC TAES Bul. L-2240 TAES Bul. L-2138 TAES Bul. L-2138 TAES Bul. L-2138 TAES Bul. L-2138 |
| 3V.56 V65 8-76 1.73 S75C 5.21-S.78 9.21S-5 4-1-77 | 2)D//CA291A/39-11-20 2)D//Blightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 2)D//Blightmaster/39-11-20/3/K4808-5 (1&2)D/PayM54-M-105-3 2)A/PayM54-105-3 2)A/PayM54-105-3 2)A/PayM54-105-3 2)A/PayM54-105-3 an intercross of Tamcot SP21, SP23, and SP37//Blank-1-73 ASP-3-69; ASP-3-69=Lewis-12-71=Tamcot SP23/A8-64; A8-64=BC to Texcala acot SP21S (Table 2) ain of Tamcot SP21)/H4-14-71 (strain of Tamcot SP21S) of Tamcot SP21J/H4-14-71 (strain of Tamcot SP21S) | CA291A=Blightmaster Component line of SP21 or SP37 Component line of SP21 or SP37 Synonymous w/ B4 or TAES B4 | Thaxton/PC TAES Bul. L.1672 Thaxton/PC Thaxton/PC Thaxton/PC TAES Bul. L.2240 TAES Bul. L.2138 TAES Bul. L.2138 TAES Bul. L.2138 TAES Bul. L.2138 |
| 3V.56 V65 V65 8-76 1-73 S75C 2-21-S-78 2-21-S-78 1-1-77 4BR | 2)D//Blightmaster/39-11-20/3/K4808-5 (1&2)D/Pay/M54-M-105-3 2)D//Blightmaster/39-11-20/3/K4808-5 (1&2)D/Pay/M54-M-105-3 2)A/Pay/M54-105-3 | Component line of SP21 or SP37 Component line of SP21 or SP37 Synonymous w/ B4 or TAES B4 | TAES Bul. L.1672 Thaxton/PC Thaxton/PC Thaxton/PC TAES Bul. L.2240 TAES Bul. L.2138 TAES Bul. L.2138 Thaxton/PC TAES Bul. L.2138 |
| V65 8-76 1-73 S75C 2-21-S-78 2-21-S-78 1-77 4-BR | 2)D//Blightmaster/39-11-20/3/K4808-5 (1&2)D/Pay/M54-M-105-3 2)A/Pay/M54-105-3 2)A/Pa | Component line of SP21 or SP37 Synonymous w/ B4 or TAES B4 | Thaxton/PC Thaxton/PC Thaxton/PC Thaxton/PC TAES Bul. L-2240 TAES Bul. L-2138 TAES Bul. L-2138 Thaxton/PC TAES Bul. L-2138 |
| 8-76 11-73 1-73 1-71-75 1-71-7 1-77 1-77 | 2)A/PayM54-105-3 2)A/Pa | Synonymous w/ B4 or TAES B4 | Thaxton/PC Thaxton/PC TAES Bul. L-2240 TAES Bul. L-2138 TAES Bul. L-2138 Thaxton/PC TAES Bul. L-2138 |
| 8-76 11-73 5 S75C 5-21-S-78 1-77 4-BR | 2)A/PayM54-105-3 Dackground with B4 gene for bacterial blight resistance m intercross of Tamcot SP21, SP23, and SP37)/Blank-1.73 ASP-3-69; ASP-3-69=Lewis-12.71=Tamcot SP23/A8-64; A8-64=BC to Texcala not SP21S (Table 2) ain of Tamcot SP21)/H4-14-71 (strain of Tamcot SP21S) of Tamcot SP21J/H4-14-71 (strain of Tamcot SP21S) | Synonymous w/ B4 or TAES B4 | Thaxton/PC TAES Bul. L-2240 TAES Bul. L-2138 TAES Bul. L-2138 Thaxton/PC TAES Bul. L-2138 |
| -8-76 -1-73 - S75C -21-S-78 -1-77 -1-77 | packground with B4 gene for bacterial blight resistance im intercross of Tamcot SP21, SP23, and SP37/Blank-1.73 ASP-3-69: ASP-3-69=Lewis-12.71=Tamcot SP23/A8-64; A8-64=BC to Texcala not SP21S (Table 2) ain of Tamcot SP21)/H4-14-71 (strain of Tamcot SP21S) of Tamcot SP21)/H4-14-71 (strain of Tamcot SP21S) | Synonymous w/ B4 or TAES B4 | TAES Bul. L.2240 TAES Bul. L.2138 TAES Bul. L.2138 Thaxton/PC TAES Bul. L.2138 |
| 8-76 1-73 5-75-78 5-21-5-78 1-1-77 4-BR | m intercross of Tamcot SP21, SP23, and SP37/Blank-1-73 ASP-3-69; ASP-3-69=Lewis-12-71=Tamcot SP23/A8-64; A8-64=BC to Texcala ncot SP21S (Table 2) ain of Tamcot SP21)/H4-14-71 (strain of Tamcot SP21S) of Tamcot SP21)/H4-14-71 (strain of Tamcot SP21S) | | TAES Bul. L.2138 TAES Bul. L.2138 Thaxton/PC TAES Bul. L.2138 |
| 1.73 S75C 5.21-S.78 5.21S-5 1.77 4BR | ASP-3-69; ASP-3-69=Lewis-12-71=Tamcot SP23/A8-64; A8-64=BC to Texcala acot SP21S (Table 2) ain of Tamcot SP21)/H4-14-71 (strain of Tamcot SP21S) of Tamcot SP21J/H4-14-71 (strain of Tamcot SP21S) | | TAES Bul. L-2138 Thaxton/PC TAES Bul. L-2138 |
|) S75C 0.21-S.78 0.21S-5 1-77 4BR | acot SP21S (Table 2) ain of Tamcot SP21)/H4-14-71 (strain of Tamcot SP21S) of Tamcot SP21)/H4-14-71 (strain of Tamcot SP21S) | | Thaxton/PC TAES Bul. L-2138 |
| 0.21.5.78 0.21S-5 1.7.7 4BR | ain of Tamcot SP21)/H4-14-71 (strain of Tamcot SP21S) of Tamcot SP21)/H4-14-71 (strain of Tamcot SP21S) | | TAES Bul. L-2138 |
| 0.21S-5 -1-77 4BR | | | |
| -1-77 4BR | | | TAES Bul. L2266 |
| 4BR | H4-14-71 (strain of Tamcot SP21S)/DPxP-4BR | | TAES Bul. L-2240 |
| | 4.BR | | TAES Bul. L-2240 |
| | GN-1 (glandless, nectariless genetic stock)/H3-6 (strain of Tamcot SP23) | | TAES Bul. L2266 |
| H4-14-71 One of two cor | One of two component lines of Tamcot SP21S | | TAES Bul. L-2240 |
| K4805-5 (1&2)A Empire WR w | Empire WR w/ bacterial blight genes B2B3 from Knight BAR (G. barbadense) | | CS16:884 |
| ORHU-1-78 ORS-59/Blank | ORS-59/Blank-1-73; ORS-59=MDR 17M2-1 (a strain of SP21)/ORLG (an okra-frego stock) | | Thaxton/PC |
| PayM54-M-105-3 Paymaster 54 | Paymaster 54 breeding stock, obtained in 1956 | Paymaster 54 (Fig. 9) | CS16:884 |
| SP 11-67 92K/61K; a str | 92K/61K; a strain of Tamcot SP23 (Table 2) | | Thaxton/PC |
| SP 12 92K/61K; a str | 92K/61K; a strain of Tamcot SP23 (Table 2) | • | Thaxton/PC |
| SP 19 Strain of Tame | Strain of Tamcot SP21 (Table 2) | | Thaxton/PC |
| SP 20 Strain of Tame | Strain of Tamcot SP21 (Table 2) | | Thaxton/PC |
| SP 24 CA398/P1874 | | Sib. Tamcot 788 | L.M. Verhalen/PC |
| SP 52-67 92K/61K; a str | 92K/61K; a strain of Tamcot SP23 (Table 2) | | Thaxton/PC |
| SPHI-4 Tri-species hybrid | ybrid | | Thaxton/PC |
| Tamcot 788A CA398/P1874 | | | D.F. Owen/PC |
| | | | And the state of t |
| Germplasm from the Pee Dee Research Station, Florence, SC | Station, Florence, SC | | |
| A (followed by number) TH 171/Sealan | TH 171/Sealand 7//Earlistaple | Fig. 11 | Culp & Harrell, 1974 |
| AC C6-5/3/TH 171. | C6-5/3/TH 171/Sealand 7//Earlistaple | Fig. 11 | Culp & Harrell, 1974 |
| F Sealand 542//T | Sealand 542//TH 108/AHA 6-1-4/3/Earlistaple | Fig. 11 | Culp & Harrell, 1974 |
| FJA F/J//A | | Fig. 11 | Culp & Harrell, 1974 |

Table 3. Continued.

| Ctucin/outlities name | Parlignee | Pedigree Notes | Source |
|-----------------------|--|--|-----------------------|
| Stramounday mamo | PUI/A | Fig. 11 | Culp & Harrell, 1974 |
| FTA | T/ 1//X | Fig. 11 | Culp & Harrell, 1974 |
| وا | IH 108/AHA 0-1-4//Earlistaple | | Culn & Harrell 1974 |
| PD2164 | AC239FJA348 | | Cuip & marren, 1911 |
| PD9165 | AC/F/A | Fig. 11 | Culp & Harrell, 1974 |
| DD-0183 | CS-S/Barlistanle/RJA | | L. May/PC |
| DD/4281 | Anhum 56/AC 349 | Fig. 11 | CS19:418 |
| DD4308 | RTA 263/A+las | | Culp & Harrell, 1974 |
| TD4030 | ACOlivia Kinglick 491 | Fig. 11 | Culp & Harrell, 1974 |
| r Doors | ATA TAN TAN TAN TAN TAN TAN TAN TAN TAN | Sib. SC-1 (Table 2) | CS25:201 |
| PD9240 | CAR 42D/D4530 | | I. Mav/PC |
| PD9249 | Sel. FJA | | L. mayir C |
| PD9363 | Carolina Queen/PD9249//PD2183/PD2164 | | CS19:751 |
| T (PD line) | TH 108/AHA 6-1-4/Earlistaple | Fig. 11 | Culp & Harrell, 1974 |
| | | | |
| Pima germplasm | | | |
| 5903-98-4-4 | Unknown at this printing | | |
| 5934-23-2-6 | Unknown at this printing | | |
| Ashmouni | Sea Island/Jumel; Jumel=a G. barbadense tree cotton in Egypt | | Niles & Feaster, 1984 |
| P28 | Unkown at this printing | | |
| Pima 3-79 | Sib. Pima 32 | | Niles & Feaster, 1984 |
| Pima 32 | Derived primarily from Ashmouni stock | | Niles & Feaster, 1984 |
| Pima 38 | Sib, Pima S-2 Pima S-1 Complex cross of: Sea Island, Pima, Tanguis, Stoneville | | Niles & Feaster, 1984 |
| Pima S-2 | Pima 3-79/Pima S-1 | The state of the s | CS16:603 |
| Pima S-3 | Mass Cross ('Hybrid B') Incl.: Pima S.1, Tanguis, Pima strain 1-71, Ashmouni, Giza 12, Pima 32 | | CS16:604 |
| Pima S.4 | Pima 32/Pima S-1 10-8/Pima S-2 | S1 10-8=Sel. Pima S-1? | CS16:604 |
| T C STITLE | | | |

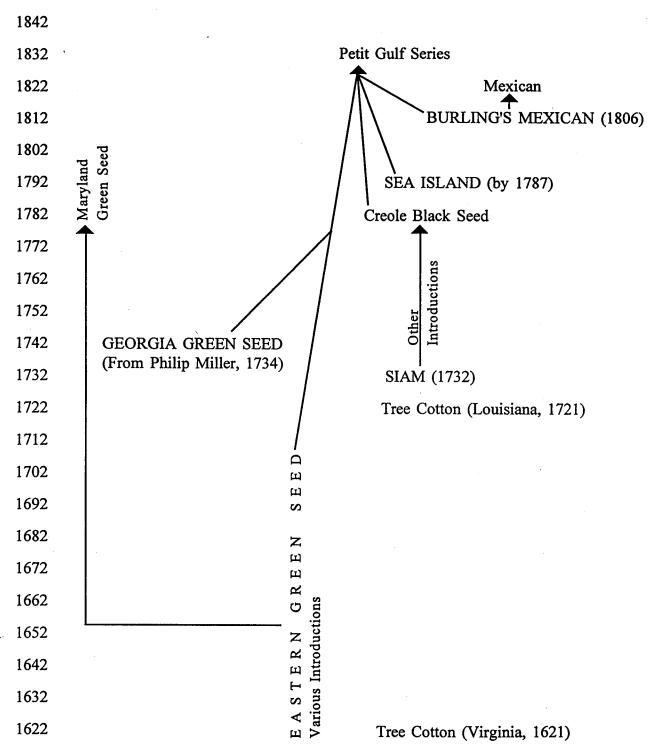


Figure 1. Primary sources of germplasm for American Upland cottons. Uppercase letters indicate introductions or original sources of germplasm. (Figure redrawn from Ramey, 1966.)

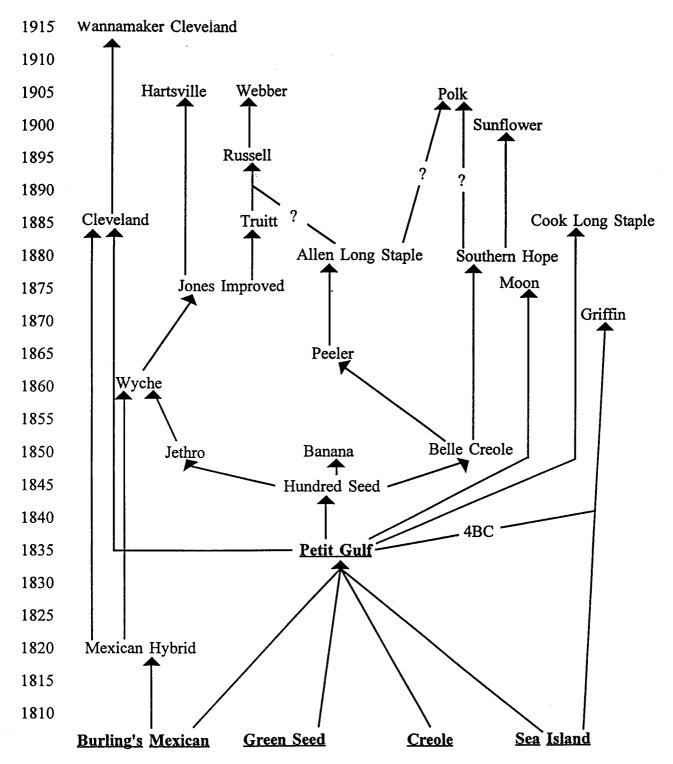


Figure 2. Development of Long Staple and Eastern Big Boll cottons. Underline and bold face type indicate germplasm sources that appear in previous figure (s). Question mark (?) indicates possible outcross parent. (Figure redrawn from Ramey, 1966.)

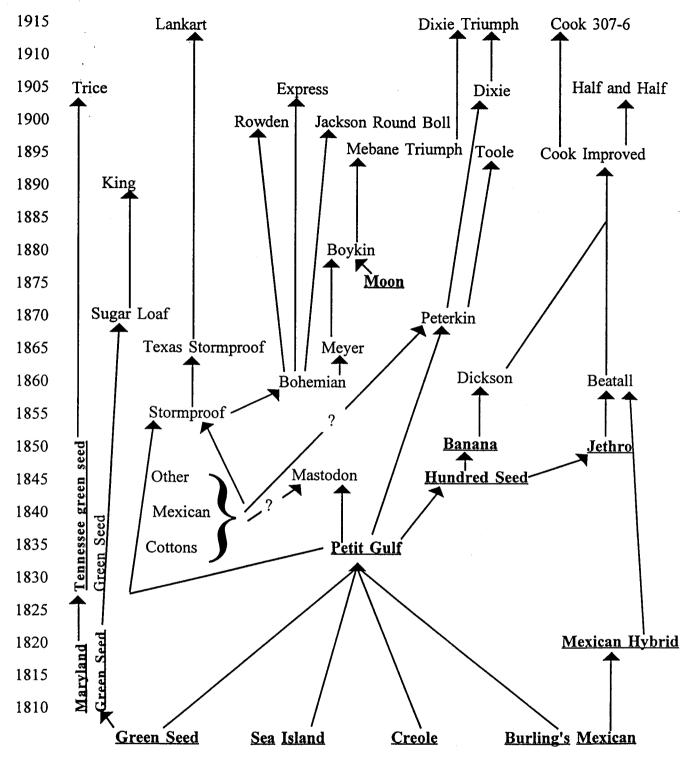


Figure 3. Development of Western Big Boll, Early, and Wilt Resistant cottons. Underline and boldface type indicate germplasm sources that appear in previous figure(s). Question mark (?) indicates possible outcross parent. (Figure redrawn from Ramey, 1966.)

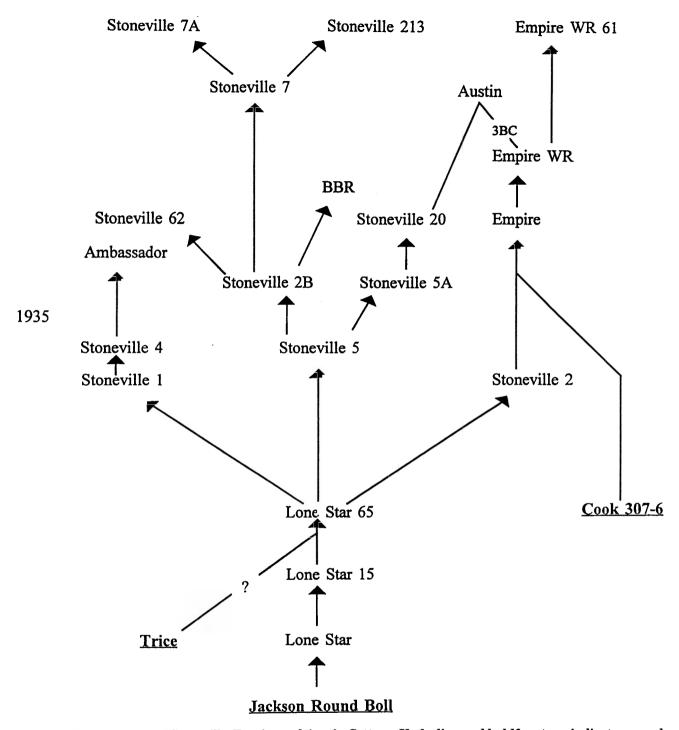


Figure 4. Development of Stoneville, Empire and Austin Cottons. Underline and boldface type indicate germplasm sources that appear in previous figure(s). Question mark (?) indicates possible outcross parent. (Figure redrawn from Ramey, 1966.)

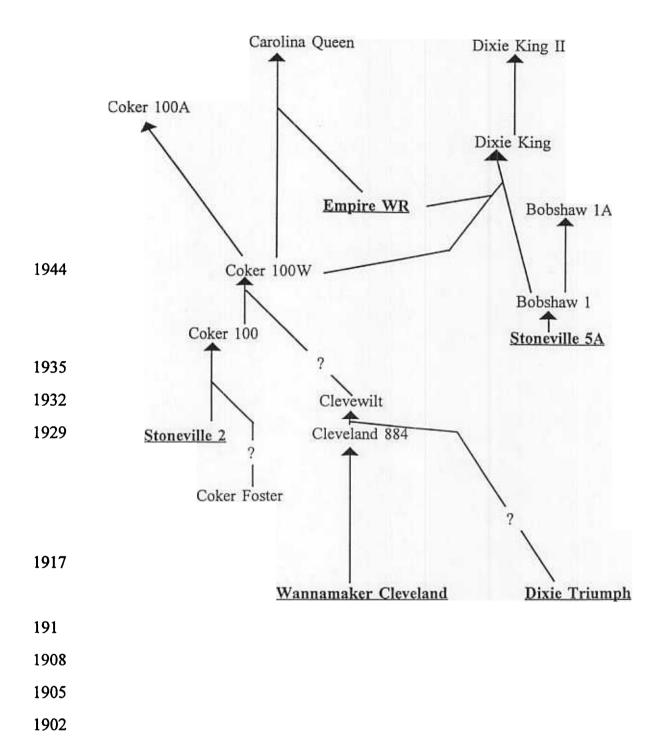


Figure 5. Development of Coker and Dixie King cottons. Underline and boldface type indicate germplasm sources that appear in previous figure(s). Question mark (?) indicates (possible outpocross parents. (Figure redrawn from Ramey, 1966.)

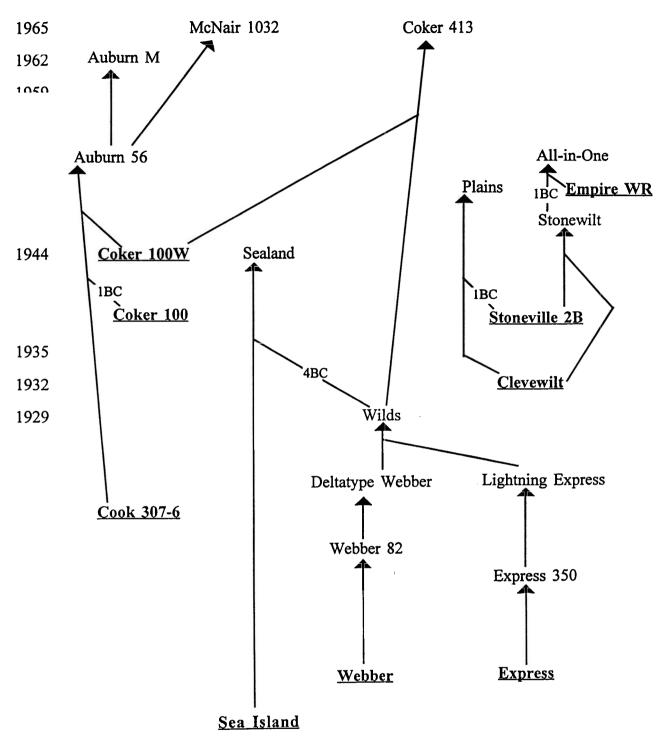


Figure 6. Development of Auburn 56 and Plains cottons. Underline and boldface type indicate germplasm sources that appear in previous figure(s). Question mark (?) indicates possible outcross parent. (Figure redrawn from Ramey, 1966.)

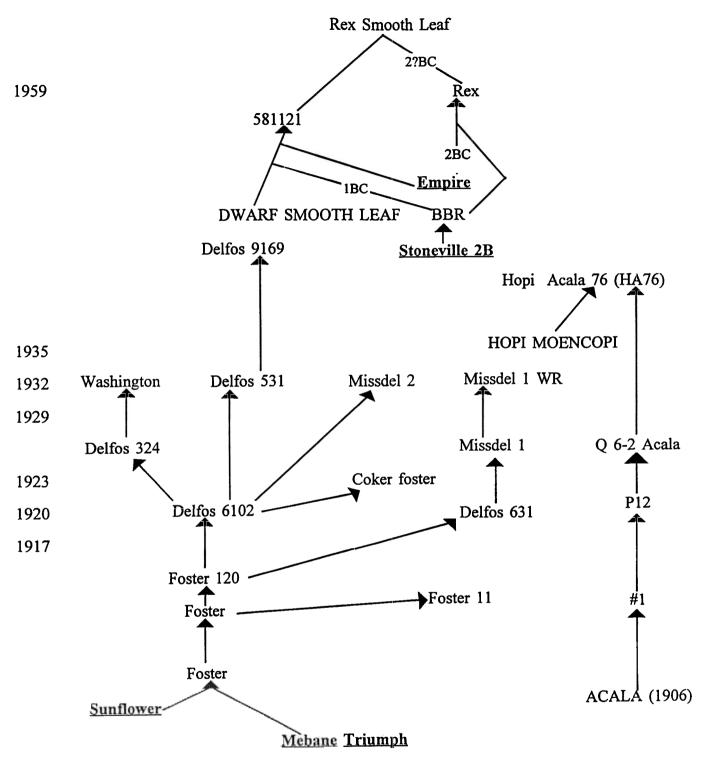


Figure 7. Development of Rex, Delfos, and Hopi Acala 76 cottons. All uppercase letters indicate original or new sources of germplasm. Underline and boldface type indicate germplasm sources that appear in previous figure(s). "BC" indicates number of backcrosses to recurrent parent. (Figure redrawn from Ramey, 1966.)

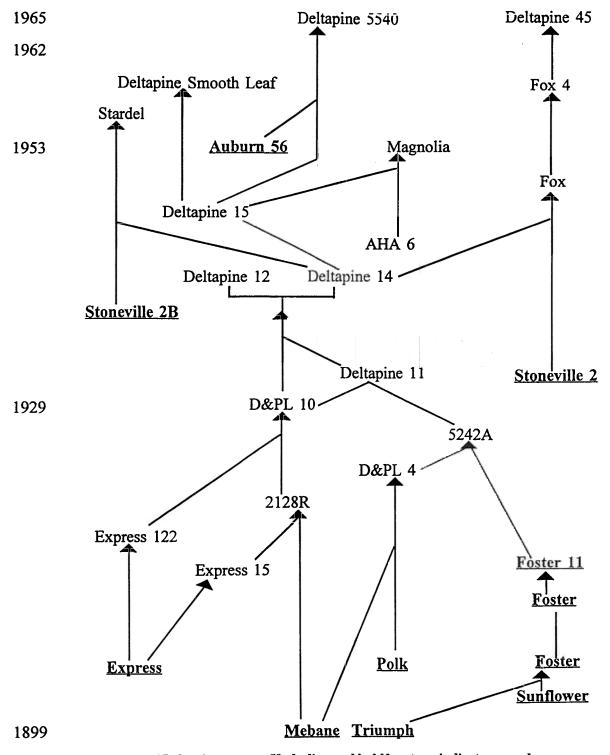


Figure 8. Development of Deltapine cottons. Underline and boldface type indicate germplasm sources that appear in previous figure(s). Development of AHA6 given in Figure 10. (Figure redrawn from Ramey, 1966.)

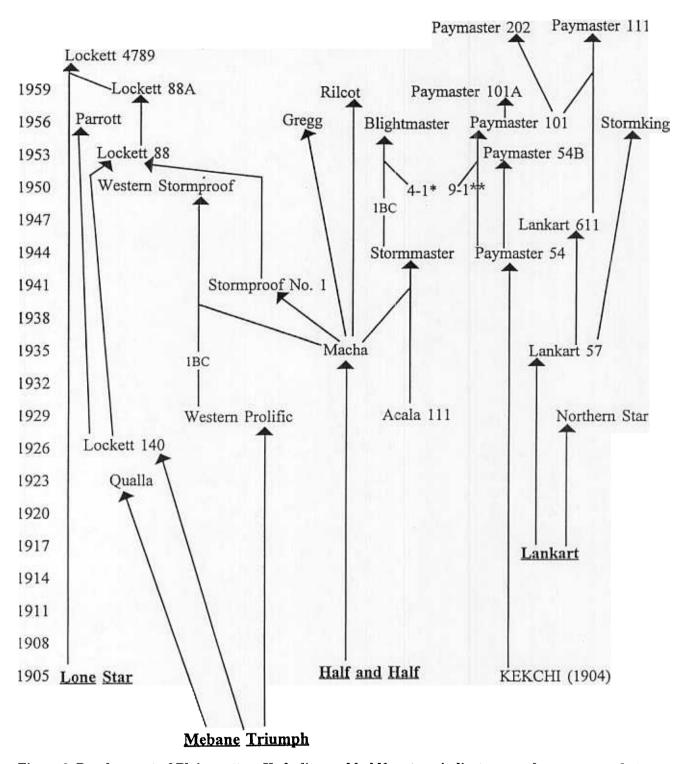
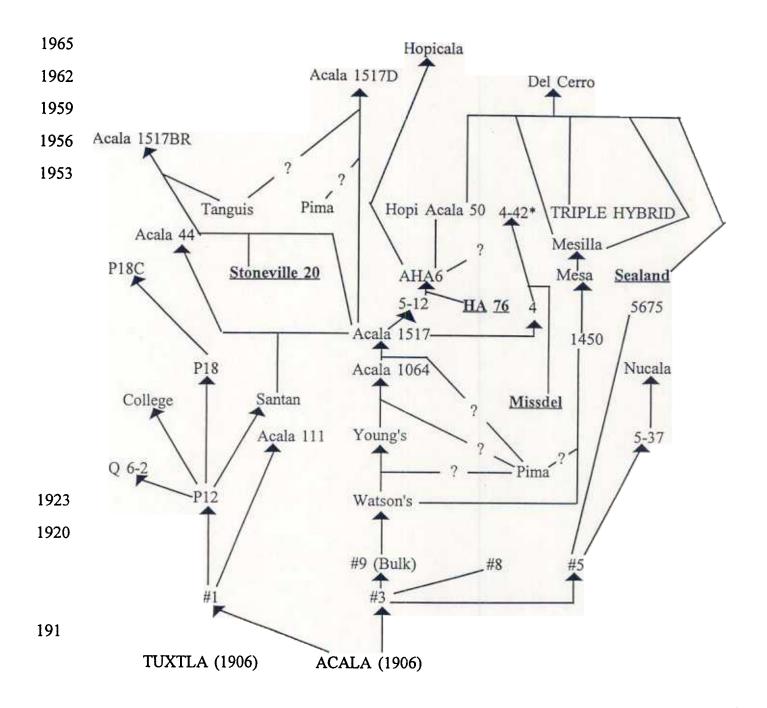


Figure 9. Development of Plains cotton. Underline and boldface type indicate germplasm sources that appear in previous figure(s). All uppercase letters indicate original or new sources of germplasm. Development of Acala 111 given in Figure 10. "BC" indicates number of backcrosses to recurrent parent. (Figure redrawn from Ramey, 1966.)

^{*4-1=}Stoneville 20/Acala 5675

^{**9-1=}Stormmaster/4-1



1899

Figure 10. Development of Acala cottons. Introductions or new germplasm indicated by all uppercase letters; underline and boldface type indicate germplasm sources that appear in previous figure(s). Question mark (?) indicates possible outcross parent. (Figure redrawn from Ramey, 1966.)

and the same and the same and the same

^{*} Acala 4-42

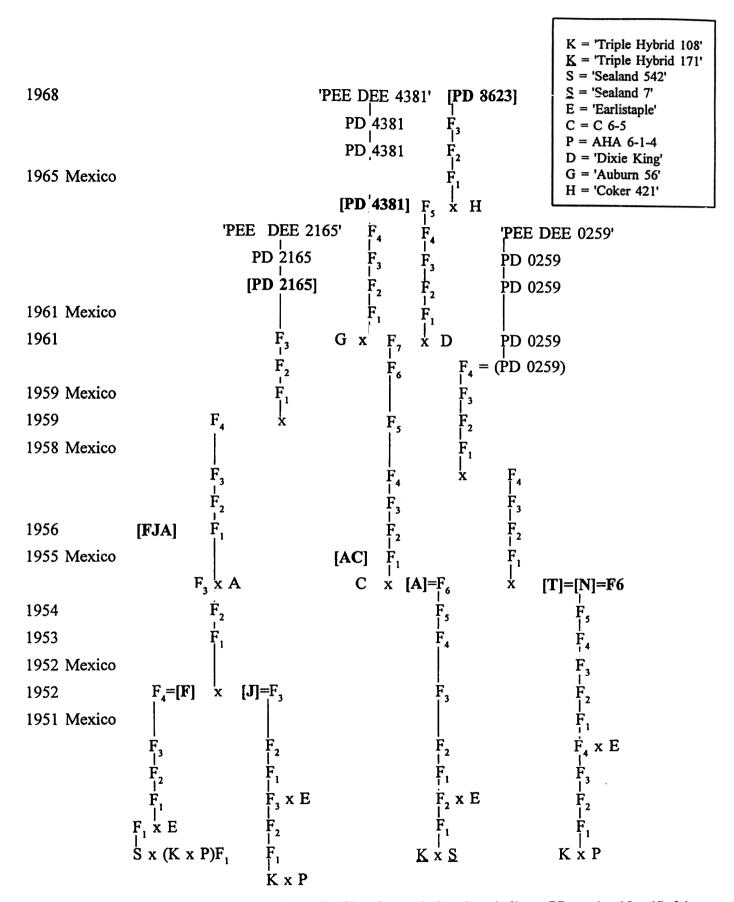


Figure 11. Development of PeeDee germplasm. Boldface letters in brackets indicate PD strains identified in preceding tables (Figure adapted from Culp and Harrell, 1974.)

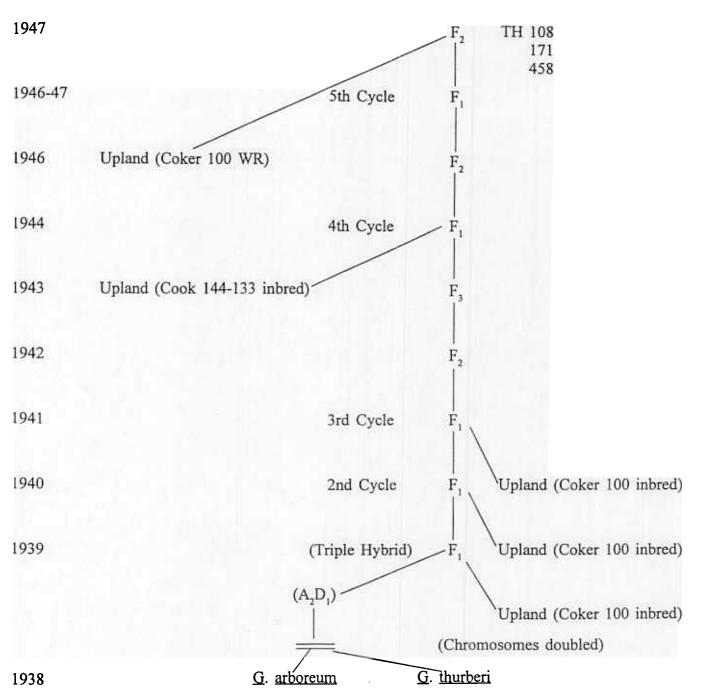
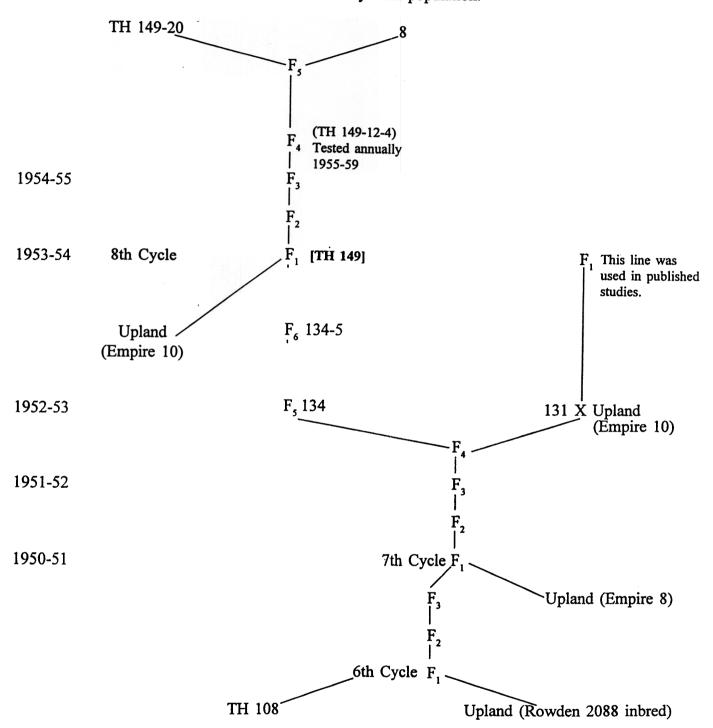


Figure 12. Development of Triple Hybrids 108, 171, and 458. (Figure adapted from an unpublished figure by Thomas Kerr, about 1969.)

1957-1965 Maintenance of 2 lines of TH 149 by bulk population.



 $Figure \ 13. \ Development \ of \ Triple \ Hybrid \ 149. (Figure \ adapted \ from \ an \ unpublished \ figure \ by \ Thomas \ Kerr, \ about \ 1969.)$

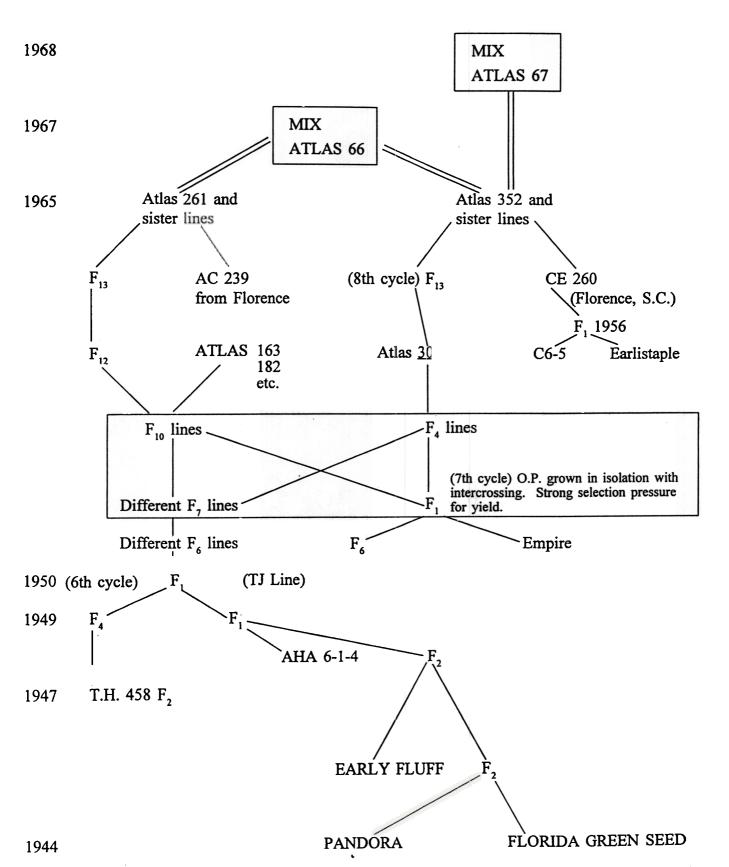


Figure 14. Development of Atlas lines. (Figure adapted from an unpublished figure by Thomas Kerr, about 1969.)

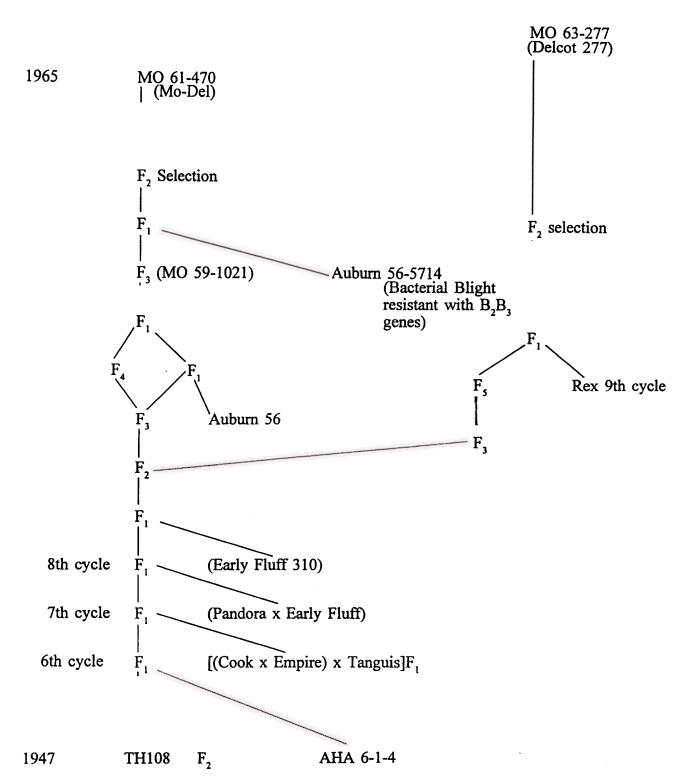


Figure 15. Development of Missouri lines and cultivars. (Figure adapted from an unpublished figure by Thomas Kerr, about 1969.)

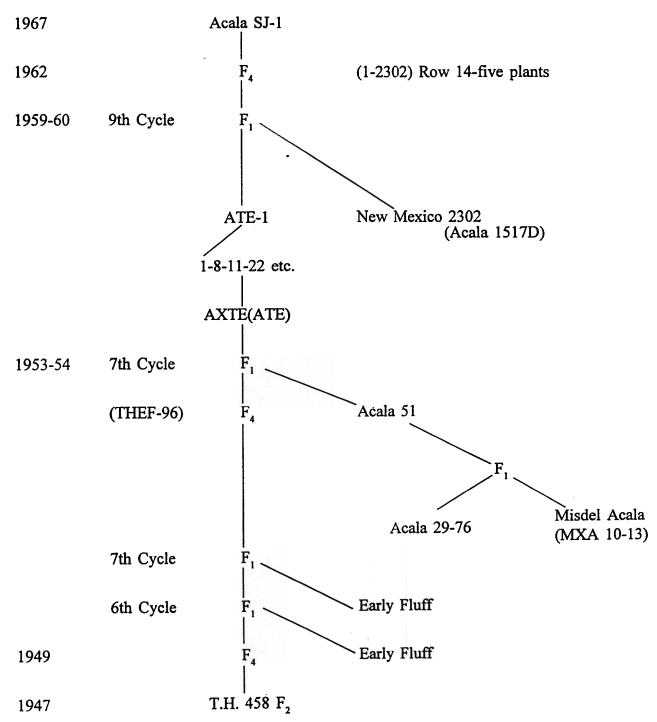
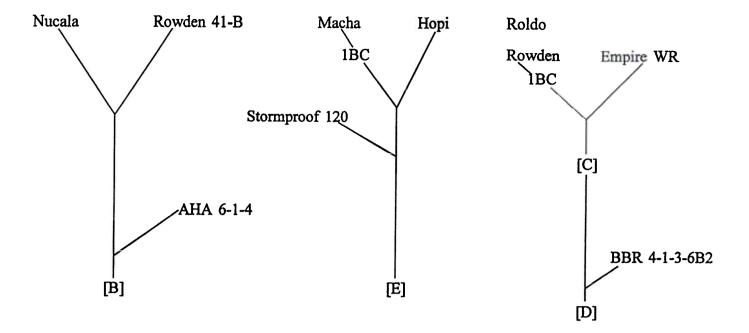


Figure 16. Development of Acala SJ-1. (Figure adapted from an unpublished figure by Thomas Kerr, about 1969.)



Quapaw and GSA71 = D/3/C//B/E/4/C//B/E

Stripper 31 = D (presumably)

Stripper 31A = D (presumably)

Figure 17. Development of 'Quapaw' (drawn from PVP #7200069, Exhibit A), 'GSA71' (drawn from PVP #7400089, Exhibit A), and 'Stripper 31' (based on incomplete pedigree in Metzer et al., 1984.)